

UNCLASSIFIED

AD NUMBER

**AD834493**

NEW LIMITATION CHANGE

TO

**Approved for public release, distribution  
unlimited**

FROM

**Distribution authorized to U.S. Gov't.  
agencies and their contractors;  
Administrative/Operational Use; Jun 1960.  
Other requests shall be referred to  
Central Intelligence Agency, Office of  
Central Reference, 2430 E. Street, NW,  
Washington, DC 20505.**

AUTHORITY

**CIA ltr, 7 Sep 2004**

THIS PAGE IS UNCLASSIFIED

AD834493



⑥ CONSOLIDATED  
TRANSLATION  
SURVEY

NUMBER 24.

FILE COPY

Number 24

⑪ 20 Jan 1960

⑫ 196p.

Prepared by

Foreign Documents Division  
CENTRAL INTELLIGENCE AGENCY  
2430 E. St., N. W., Washington 25, D.C.

(141 500)

ef

**BEST**

**AVAILABLE**

**COPY**

CONSOLIDATED TRANSLATION SURVEY

FOR DECEMBER 1959

TABLE OF CONTENTS

	<u>Page</u>
Notes concerning the Survey	c
Abbreviations used in the Survey	d
Requests for copies	e
USSR	
Economic	1
Political	15
Military	17
Sociological	18
Biographic	20
Eastern Europe	
Economic	21
Political	41
Military	41
Geographic	42
Sociological	43
Biographic	44
Northern Europe	
Geographic	45
Sociological	45
Near East/Africa	
Economic	46
Political	46
Sociological	48
Biographic	48
Far East	
Economic	49
Political	64
Military	69
Geographic	70
Sociological	71

	<u>Page</u>
<b>Western Europe</b>	
<b>Economic</b>	77
<b>Political</b>	78
<b>Military</b>	78
<b>Geographic</b>	79
<b>Latin America</b>	
<b>Political</b>	80
<b>Military</b>	80
<b>Sociological</b>	80
<b>Scientific</b>	
<b>Aeronautics</b>	81
<b>Astronomy</b>	83
<b>Biology</b>	84
<b>Chemistry</b>	86
<b>Electricity</b>	105
<b>Electronics</b>	106
<b>Engineering</b>	110
<b>Fuels</b>	128
<b>Geophysics</b>	130
<b>Mathematics</b>	137
<b>Medicine</b>	141
<b>Minerals/Metals</b>	161
<b>Nuclear Physics</b>	169
<b>Physics</b>	170
<b>Space Research</b>	175
<b>Miscellaneous</b>	176
<b>Author Index</b>	179
<b>Cover-to-Cover Translations</b>	195

CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (\*).

ABBREVIATIONS

ACSI	Assistant Chief of Staff, Intelligence, Dept of Army
AEC	Atomic Energy Commission
AF	Dept of Air Force
AIBS	American Institute of Biological Sciences
AIP	American Institute of Physics
AMS	Army Map Service
APL	Applied Physics Laboratory
ARDC	Air Research and Development Command
ATIC	Aerospace Technical Intelligence Center
ATS	Associated Technical Services
BISI	British Iron and Steel Institute
BuShips	Bureau of Ships, Dept of Navy
CB	Consultants Bureau
CCT	Custom Translations
Co-op Tr Sch	Co-operative Translation Scheme
EDC	Estimated date of completion
525th MI Gp	525th Military Intelligence Group, Dept of Army
FEIS	Foreign Broadcast Information Service
HB	Henry Brutcher
ID	Intelligence Document
JPLAI	Jet Propulsion Laboratory, Astronautics Information
JPRS	Joint Publications Research Service
LC	Library of Congress
LLU	Lending Library Unit
MDF	Morris D. Friedman
MEB	Mark E. Bunker
MIT	Massachusetts Institute of Technology
NASA	National Aeronautics Space Administration
NIH	National Institutes of Health
MRL	Naval Research Laboratory, Dept of Navy
NSF	National Science Foundation
OIN	Ordnance Intelligence Number
ONI	Office of Naval Intelligence, Dept of Navy
OTIA	Ordnance Technical Intelligence Agency
PP	Pergamon Press
PS	Primary Sources
RIS	Research Information Service
Sci Mus Lib	Science Museum Library
USACRAPAC	US Army Command Reconnaissance Activities Pacific Command
USASIA	US Army Signal Intelligence Agency
USDA	US Department of Agriculture
USIS	US Information Service
* (asterisk)	projects in process

REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organizations.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, DC.

Addresses of producers, whose listings are included in this issue follow:

ACSI  
AMS  
Corps of Engr  
525th MI Gp  
ID  
USACRAPAC, PD

Department of the Army  
Assistant Chief of Staff, Intelligence  
Intelligence Documents Branch  
Washington 25, DC

Requests from non-government sources for Army documents should be ordered through:

Chief, Office of Technical Services  
Technical Information Division  
Acquisitions Branch  
Department of Commerce, Commerce Annex 1  
Washington 25, DC

Navy

DTMB  
HO  
NRL  
ONI

Department of Navy  
Office of Naval Intelligence  
Washington 25, DC

AF  
AID  
ATIC

Department of Air Force  
Collection and Dissemination  
Assistant Chief of Staff, Intelligence  
ATTN: AFCIN 1B3  
Washington 25, DC

Dept of State

Department of State  
Division of Library and Reference Service  
132 State Annex 1  
Washington, DC

AEC

Atomic Energy Commission  
Order copies from:

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Dept of Commerce

Maritime Administration  
Office Services  
GAO, 5th and G Sts, NW  
Washington, DC

Patent Office  
Scientific Library  
14th and Constitution Avenue, NW  
Washington, DC

Dept of Interior

Department of Interior  
Library  
Washington 25, DC

JPRS

Joint Publications Research Service  
For non-scientific reports:

Photoduplication Service  
Library of Congress  
Washington 25, DC

For scientific-technical reports:

Department of Commerce  
Office of Technical Services  
Washington 25, DC

NIH

Department of Health, Education, and Welfare  
National Institutes of Health  
Librarian  
Bethesda 14, Maryland

RAND Corp

RAND Corporation  
ATTN: Publications Office  
1700 Main Street  
Santa Monica, California

USDA

Department of Agriculture  
Foreign Agricultural Service  
Room 5506  
14th and Independence Avenue, NW  
Washington 25, DC

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington 15, DC

AIBS

American Institute of Biological Sciences  
2000 P Street, NW  
Washington 6, DC

AIP

American Institute of Physics  
335 East 45th Street  
New York 17, New York

Amer Meteorol Soc, AF Cambridge Res Center

Armed Services Technical Information Agency (ASTIA)  
Arlington Hall Station  
Arlington 12, Virginia

ATS

Associated Technical Services  
PO Box 271  
East Orange, New Jersey

CB  
CCT

Consultants Bureau, Inc  
227 West 17th Street  
New York 11, New York

Geochem Soc

Prof E. Wm. Heinrich  
Mineralogical Laboratory  
University of Michigan  
Ann Arbor, Michigan

HB

Henry Bratcher Technical Translations  
PO Box 157  
Altadena, California

Interntl Arts and Sci Press

International Arts and Sciences Press  
33 West 42d Street  
New York 36, New York

MEB

Mark E. Burgunker  
541 West 113th Street  
New York 25, New York

Optical Soc of Amer

Optical Society of America  
121 Lincoln Avenue  
Rochester, New York

PP

Pergamon Press  
122 East 55th Street  
New York 22, New York

Rev of Russian Geol

Review of Russian Geology  
Box 6665, College Station  
Duke University  
Durham, North Carolina

AC SIL

Admiralty Center for Scientific Information and Liaison  
Queen Anne's Mansions  
St James Park  
London, SW 1, England

PIST

British Iron and Steel Translations  
4 Grosvenor Gardens  
London, SW 1, England

Co-op Tr Sch (Scheme)

Science Museum Library  
South Kensington  
London, SW 7, England

DSI (British)  
RAE

Ministry of Supply  
TIL 1(b)  
Leysdown Road  
Mallingham  
London, SE 9, England

DSIR

Department of Scientific and Industrial Research  
Records Section  
Charles House  
5-11 Regent Street  
London, SW 1, England

DSIR LLU

Department of Scientific and Industrial Research  
Lending Library Unit  
20 Chester Terrace  
London, NW 1, England

LLU Tr Bul

Her Majesty's Stationery Office  
PO Box 569  
London, SE 1, England

P R O J E C T S   R E P O R T E D

F O R   D E C E M B E R   1 9 5 9

USSR

Economic

USSR Paper Industry, by K. A. Veynov,  
(DC-3231).

RUSSIAN, bk, Bumazhnaya Promyshlennost' SSSR,  
1958, pp 117-148.

\*JPRS

Methods of Feeding, Maintaining, and Breeding  
Cattle, by B. V. Fandeyev, (DC-3226).

RUSSIAN, bk, Krupnyy Rogatyy Skot, Moscow,  
1958.

\*JPRS

Organizational and Technical Measures at the  
Voronezhsel'mash Plant, by N. E. Ivinskiy, M. F.  
Malyshev, I. S. Trifonov, (DC-3253).

RUSSIAN, bk, Opyt Perevoda Rabochikh i Sluzha-  
shchikh Mashinostroitel'nykh Predpriyatiy na  
Sokrashchenny Ryabochiy Den', 1959, Moscow,  
pp 24-32.

\*JPRS

Development of the Aluminum Industry of the  
USSR, by I. M. Gratsershteyn, 126 pp.

RUSSIAN, bk, Razvitiye Alyuminiyevoy Promysh-  
lennosti SSSR, Moscow, 1959, pp 45-160.

JPRS L-1961-D

Handbook of Apparatus Used in Dosimetry, Radio-  
metry and Electronics, Counters, Scintillation  
Apparatus and Photomultipliers, by D. D. Uspen-  
skiy, V. S. Sovitskiy, V. I. Sinitsyn, A. S.  
Shtan', 19 pp.

RUSSIAN, bk, Spravochnik po Dozimetriceskim,  
Radiometricheskim i Elektronno-Fizicheskim  
Priboram, Schetchikam, Stsintilllyatoram i  
Fotoumnozhitelyam, Moscow, 1959, pp 7-253.

JPRS 924-D

USSR  
Economic (Contd)

**Review of Large-Panel Construction**, by K. V. Zhukov, Z. N. Nesterova, (DC-3228). RUSSIAN, bk, Voprosy Arkhitektury Panel'nykh Zhilykh Domov, 1956, pp 13-16.

\*JPRS

Analysis of Planning Methods for Panel-Type Buildings, by K. V. Zhukov, Z. N. Nesterova, (DC-3228).

RUSSIAN, bk, Voprosy Arkhitektury Panel'nykh Zhilykh Domov, 1956, pp 51-68.

\*JPRS

Toward Broad Automation or Chemical Production, 7 pp. RUSSIAN, per, Avtomat Proiz, No 5, 1959, pp 3-5.

JPRS 1962-N

The Prospects for Automation in the Chemical Industry, by G. N. Kirikov, (NY-3000/7). RUSSIAN, per, Avtomat Proiz, Moscow, 1959, pp 14-24.

\*JPRS

Development of Fatherlands Auto Construction Within the Decisions of the XXI Congress KPSS, 5 pp. RUSSIAN, per, Avtomobil Prom, No 4, 1959.

ACSI, H-5013

Experience in the Manufacture of Porous Cinder-Concrete Wall Panels Without Autoclave Processing, by G. A. Frank, (DC-3227). RUSSIAN, per, Beton i Zhelezobeton, No 8, 1959, pp 364-366.

\*JPRS

Economic Appraisal of Ore Extraction for Various Methods of Mining, by Ye. I. Dobroserdov, (NY-3253). RUSSIAN, per, Byul Tsvetnoy Metallurgii, No 18, (95), 1957, pp 29-34.

\*JPRS

The Raw Material Base of the Nonferrous and Rare Metals Industry During the Past Forty Years, by A. A. Amiraslanov, (NY-3253). RUSSIAN, per, Byul Tsvetnoy Metallurgii, No 19/20, (96-97), 1957, pp 13-26.

\*JPRS

USSR  
Economic (Contd)

The Development of Copper and Nickel Metallurgy in the USSR Over a Forty-Year Period, by V. I. Smirnov, (NY-3253). RUSSIAN, per, Byul Tsvetnoy Metallurgii, No 19/20, (96-97), 1957, pp 40-45.

\*JPRS

Forty Years of the Ural Copper Industry, by M. G. Mironov, (NY-3253). RUSSIAN, per, Byul Tsvetnoy Metallurgii, No 19/20, (96-97), 1957, pp 55-60.

\*JPRS

The Development of the Nonferrous Metals Processing Industry, by M. F. Bazhenov, (NY-3253). RUSSIAN, per, Byul Tsvetnoy Metallurgii, No 19/20, (96-97), 1957, pp 83-87.

\*JPRS

The Development of Livestock in the USSR During the Seven-Year Plan Period, by F. Krest'yaninov, 16 pp. RUSSIAN, per, Ekon Sel'skogo Khoz, No 4, 1959, pp 10-20.

JPRS 1055-D

Concerning Capital Investment Efficiency Rates in Branches of National Economy, by L. Likhtenshteyn, 10 pp. RUSSIAN, per, Ekon Stroitel, No 7, 1959, pp 43-49.

JPRS 2043-N

Potential for Reducing Cement Consumption by Precast Reinforced Concrete Elements Enterprises, by A. Berezin, V. Pokrovskiy, (NY-2800/9). RUSSIAN, per, Ekon Stroitel, No 10, Moscow, 1959, pp 41-47.

\*JPRS

Ways to Develop the Construction Industry in Rural Area, by G. Prozorovskiy, (NY-2800/9). RUSSIAN, per, Ekon Stroitel, No 11, Moscow, 1959, pp 7-11.

\*JPRS

USSR  
Economic (Contd)

Electric Power Costs at Large Thermal  
Electric Power Stations, by A. Ya. Avrukh,  
(NY-3309).

RUSSIAN, per, Elek Stants, No 10, 1959,  
pp 35-36.

\*JPRS

Trends in the Development of the Gas Supply  
for Siberia, by V. M. Gal'perin, E. Z. Kaplin-  
skaya, R. S. Palta, L. I. Ulitskiy, 15 pp.  
RUSSIAN, per, Gaz Prom, No 5, 1959, pp 20-26.

JPRS 1996-N

Problems of Structural Drilling in the RSFSR  
in the Complex Plan of Geological Prospecting  
for 1959-1965, by A. N. Mustafinov, B. A.  
Tkhostov, (NY-3000/7).

RUSSIAN, per, Geol Nefti i Gaz, No 11, 1959,  
pp 1-6.

\*JPRS

The Introduction of Advanced Measuring Equipment  
and Instruments for the Automation of the Control  
and Regulation of Production Processes is an  
Important Task for the National Economy, 5 pp.  
RUSSIAN, per, Izmeritel Tekh, No 6, 1959,  
pp 1-4.

JPRS 1962-N

Obtaining Titanium Dioxide From the Product of  
Reduction in Sodium Sulfate Smelting of Ilmenite  
Concentrates, by A. K. Sharova, A. A. Fotiyev,  
22 pp.

RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk SSSR,  
No 4, 1959, pp 52-62.

JPRS 2037-N

Siberia-The Most Important Link in the Third  
Metallurgical Base of the USSR, by V. E. Popov,  
(DC-3244).

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy,  
Chernaya Metallurgiya, No 7, 1959, pp 139-144.

\*JPRS

USSR  
Economic (Contd)

**Miniature Radio Components**, by Ye. A.

Gaylish, 17 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Radiotekhnika, No 3, Kiev, May/Jun 1959, pp 267-277.

JPRS L-1122-N

**New Ceramic High-Voltage Capacitors**, by

N. A. Mandryka, K. Ye. Medvedev, 7 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Radiotekhnika, No 3, May/Jun 1959, pp 278-282.

JPRS L-1122-N

**Planned Development of the Paint and Varnish Industry in the Current Seven-Year Plan**, by

B. R. Mirenskiy, 10 pp.

RUSSIAN, per, Khim Nauk i Prom, No 3, 1959, pp 290-293.

JPRS 1996-N

**The Oil Refining of the USSR During the Seven-Year Plan (1959-1965)**, by V. P. Sukhanov, 12 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 9, 1959, pp 1-8.

JPRS L-1132-N

**Long-Range Requirements for Petroleum Products -- A Most Important Premise for Development of the Petroleum Industry of the USSR**, by P. Ya. Beyder, (NY-3000/7).

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 9, 1959, pp 8-15.

\*JPRS

**Improving Oil Refining -- Important Ways of Lowering the Cost of Petroleum Products**, by

V. M. Andriyanov, 7 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 9, 1959, pp 16-19.

JPRS L-1133-N

**Some Questions on Oil Refinery Construction**.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 10, 1959, pp 62-64.

\*AID

USSR  
Economic (Contd)

The Seven-Year Plan and Reserves of the Russian Federation, by D. Polyanskiy, 9 pp. RUSSIAN, per, Kommunist, No 3, 1959, pp 24-30.

JPRS 1996-N

Our Contribution in Accelerating the Rates of Technical Progress, by V. Stepanchenko, (NY-3000/7). RUSSIAN, per, Kommunist Ukrayiny, No 8, 1959, pp 22-27.

\*JPRS

The Full Mechanization and Automation of Loading and Unloading Work in Transport, (NY-3000/7). RUSSIAN, per, Mekh i Avtomat Proiz, No 8, 1959, pp 3-5.

\*JPRS

Problems in the Further Development of Overall Mechanization and Automation in Construction, 5 pp. RUSSIAN, per, Mekh Stroitel, No 8, 1959, pp 1-3.

JPRS 2038-N

The Iron Ore Base for Ferrous Metallurgy in the Seven-Year Plan, by I. Borisov, (NY-3000/7). RUSSIAN, per, Metall v Semiletke (Chernaya Metallurgiya SSR v 1959-1965 Godakh), Moscow, 1959, pp 9-18.

\*JPRS

Seagoing Freighters of the 'Yaladkhan' Type, by A. Dorokhov. RUSSIAN, per, Morskoy Flot, Feb 1959, pp 42, 43.

Navy 2371/ONI 581

Immunity of Government-Owned Merchant Ships, by A. Keilin. RUSSIAN, per, Morskoy Flot, Feb 1959, pp 44, 45.

Navy 2372/ONI 582

USSR  
Economic (Contd)

**Additional Precautions Against Wear and Corrosion in Designing Transport Vessel Hulls of Nickel Alloy Steel**, by A. Maksimadzhii, O. Novikov, L. Sokolov, (NY-3256). RUSSIAN, per, Morskoy Flot, No 3, 1959, pp 12-16.

\*JPRS

**The First Year of the Seven-Year Plan**, by L. Mel'nikov, 8 pp. RUSSIAN, per, Narod Khoz Kazakh, No 1, 1959, pp 3-12.

JPRS 1996-N

**Course of the Development of Machine Building in the Republic**, by A. Baranov, R. Petukhov, 9 pp. RUSSIAN, per, Narod Khoz Kazakh, No 5, 1959, pp 18-24.

JPRS 1962-N

**Nonferrous Metallurgy and Technological Progress**, by B. Novozhilov, 5 pp. RUSSIAN, per, Narod Khoz Kazakh, No 4, 1959, pp 28-31.

JPRS 1977-N

**We Will Fulfill the First Year of the Seven-Year Plan Ahead of Schedule**, by V. Fel'dman, M. Maslov, 10 pp. RUSSIAN, per, Narod Khoz Kazakh, No 5, 1959, pp 35-40.

JPRS 1977-N

**Types of Commercial Auto-Transport**. RUSSIAN, per, Novosti Torgovoy Tekhniki, No 4, 1957.

ACSI, H-5014

**Exchange of Experience**, by V. L. Balkevich, S. M. Goldberg. RUSSIAN, per, Ogneupory, No 4, 1958, pp 172-175.

525th MI Gp, H-4308

**Standardization of Fire Resistives in Various Countries**, by M. N. Bluvshtein. RUSSIAN, per, Ogneupory, No 4, 1958, pp 179-181.

525th MI Gp, H-4308

USSR  
Economic (Contd)

Economics and Culture of Soviet Kazakhstan During the Seven-Year Plan, by T. Tulebayev, 8 pp.  
RUSSIAN, per, Plan Khoz, No 4, 1959, pp 66-71. JPRS 1962-N

Concerning the Working Out of the Combined Fuel and Power Balance, by A. Grusho, Ye. Shteyngauz, 22 pp.  
RUSSIAN, per, Plan Khoz, No 7, 1959, pp 34, 48. JPRS 2048-N

Power Systems and Their Role in the Development of Productive Forces, by I. Krasnov, (NY-3308).  
RUSSIAN, per, Plan Khoz, No 9, 1959, pp 15-25. \*JPRS

Chemistry and Complex Utilization of Raw Materials, by N. Fedorenko, (NY-3000/7).  
RUSSIAN, per, Plan Khoz, No 9, 1959, pp 26-37. \*JPRS

Electrification of the Railroads in the Seven-Year Plan, by A. Kuchko, (DC-3201).  
RUSSIAN, per, Plan Khoz, No 10, 1959, pp 51-58. \*JPRS

Early Processing of Mercury in Southern Fergana, by A. I. Poshka, V. P. Fedorchuk, 3 pp.  
RUSSIAN, per, Priroda, No 5, 1959, pp 108, 109. JPRS 1977-N

All-Around Development of the Kuzbass Ferrous Metallurgy, by L. Klimasenko, 4 pp.  
RUSSIAN, np, Prom-Ekon Gaz, No 77, 1 Jul 1959, p 3. AF 1256215

Plant News, 3 pp.  
RUSSIAN, per, Prom Energet, No 6, 1959, p 42. JPRS 2038-N

Domestic Heavy-Current Capacitor Manufacturing on the Level of Contemporary Tasks, by M. I. Kireyev, 5 pp.  
RUSSIAN, per, Prom Energet, No 8, 1959, pp 6-8. JPRS 2038-N

USSR  
Economic (Contd)

Domestic Heavy-Current Capacitor Manufacturing on the Level of Contemporary Tasks: A Reply, by M. M. Morozov, 6 pp.  
RUSSIAN, per, Prom Energet, No 8, 1959,  
pp 8-10.

JPRS 2038-N

Bauxite Deposits in the Northern Part of the Western Siberian Plain, by V. V. Vdovin, 4 pp.  
RUSSIAN, per, Razvedka i Okhrana Nedr, No 4,  
1959, pp 4-6.

JPRS 2062-N

Construction of Mining Enterprises in Non-ferrous Metallurgy During 1959-1965, by A. F. Tyuryakov, 11 pp.  
RUSSIAN, per, Shakhtnoye Stroitel'stvo, No 3,  
1959, pp 6-9.

JPRS 1977-N

Drawing Up Plans for Organizational and Technical Measures at the Lyubertsy Plant imeni Ukhtomskiy, by M. Korbov, M. Bushuyev, (DC-3253).  
RUSSIAN, per, Sotsialisticheskiy Trud, No 5,  
1959, pp 104-108.

\*JPRS

Concerning the Practice of Awarding Bonuses for Reducing the Cost of Production, by P. Sablev, (DC-3253).  
RUSSIAN, per, Sotsialisticheskiy Trud, No 7,  
1959, pp 115-120.

\*JPRS

Sources for Increasing the Production of Local Cementing Materials, by S. G. Yepifanovskiy, 4 pp.  
RUSSIAN, per, Stroitel'nyye Materialy, No 8,  
1959, pp 12-14.

JPRS 2043-N

Introduction of Large-Panel Housing Construction on a Wider Scale, by V. Buznitskiy, 3 pp.  
RUSSIAN, per, Stroitel'stvo i Arkhitektura, No 8, 1959, p 4.

JPRS 2043-N

USSR

Economic (Contd)

The Technical and Economic Efficiency  
of Using Precast Concrete, by K. Muche-  
renko, 3 pp.

RUSSIAN, per, Stroitel'stvo i Arkhitek-  
tura, No 8, Kiev, 1959, pp 28, 29.

JPRS 2043-N

The Development of Industrial Television  
in the USSR, 11 pp.

RUSSIAN, per, Tekhnika Kino i Televideniya,  
No 7, 1959, pp 1-4.

JPRS 1962-N

The Windrower, by I. Georgiyevskiy, 7 pp.

RUSSIAN, per, Tekhnika v Sel'skom Khozyay-  
stve, No 7, 1959, pp 47-49.

JPRS 1055-D

Progressive Technology for the Textile and  
Hosiery Industries, 4 pp.

RUSSIAN, per, Tekstil Prom, No 4, 1959,  
pp 1-3.

LLU Tr Bul Nov 1959

Development of the Cotton Industry in the  
Period 1959-1965, by A. G. Astashev, 7 pp.

RUSSIAN, per, Tekstil Prom, No 4, 1959,  
pp 4-9.

LLU Tr Bul Nov 1959

Utilization of New Synthetic Fibers in the  
Woolen Industry, by T. V. Kononenko, N. I.  
Melina, N. P. Antipova, V. V. Rozhkova,  
V. V. Vasilyeva.

RUSSIAN, per, Tekstil Prom, No 8, 1958,  
pp 10-14.

ACSI, H-4019

Utilization of Synthetic Fibers in Every Day  
Silk Fabrics, by I. N. Babkina, S. S. Byush-  
gens, I. A. Dmitriyeva.

RUSSIAN, per, Tekstil Prom, No 8, 1958,  
pp 15-17.

ACSI, H-4019

Cars (Motor Vehicles), 4 pp.

RUSSIAN, per, Traktorist Kombayner i  
Shofer, No 2, 1959.

ACSI, H-5009

USSR  
Economic (Contd)

Over-All Automation of a Bauxite Wet Grinding Department, by V. I. Gusarov, A. M. Samoylin, 6 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 6, 1958, pp 26-30.

JPRS 1977-N

Determining the Production Costs of Complex Raw Material in Zinc Plants, by I. M. Grattershteyn, L. A. Nezhinskaya, 12 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 5, 1959, pp 10-15.

JPRS 2062-N

Concentrating Aluminum Ores, by A. V. Penin, 4 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 5, 1959, pp 22-24.

JPRS 2062-N

How Further to Improve and Intensify the Electroc�크refining of Copper, by A. I. Levin, V. L. Vlasov, 12 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 5, 1959, pp 32-37.

JPRS 2062-N

Dust From Lead Production as One of the Sources of Obtaining Dispersed Elements, by M. A. Vinogradova, 6 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 6, 1959, pp 39-41.

JPRS 1977-N

Certain Characteristics in the Technology of Processing Combined Copper-Zinc Concentrates at the Sredneural'sk Copper Smelting Plant, by V. A. Anglitskiy, (NY-3253).  
RUSSIAN, per, Tsvetnyye Metally, No 9, 1959, pp 38-45.

\*JPRS

Results of the Work in and Future for One Economic Administrative Region, by V. Zabaluyev, 10 pp.  
RUSSIAN, per, V Pomoshch' Politicheskomy Samoobrazovaniyu, No 12, 1958, pp 35-41.

JPRS 1996-N

USSR

Economic (Contd)

The Nephelines of Central Kazakhstan as Resources of Aluminum for the Pavlodar Plant, by V. K. Monich, A. N. Murlybayev, 8 pp.

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 5, 1959, pp 3-9.

JPRS 2062-N

Greater Utilization of Dzhezkazgan Mineral Resources, by D. S. Kunayev, K. M. Maketov, 7 pp.

RUSSIAN, per, Vest Ak Nauk Kazakh SSR, No 7, 1959, pp 40-44.

JPRS 2037-N

Methods of Working Out Seven-Year Plans for Collective Farms, by G. K. Rusakov, 13 pp. RUSSIAN, per, Vest Sel'skokhoz Nauk, No 5, 1959, pp 11-20.

JPRS 1055-D

Separate Three-Stage Harvesting of Grain Cereals, by I. S. Zhegalov, 13 pp. RUSSIAN, per, Vest Sel'skokhoz Nauk, No 6, 1959, pp 98-107.

JPRS 1055-D

New Stage in the Organization of Planning and Problems of Statistics, by L. Volodarskiy, 13 pp.

RUSSIAN, per, Vest Statistiki, No 7, 1958, pp 12-19.

JPRS L-1123-N

From the History of Statistics of the Budgets of the Population in the USSR, by I. Matyukha, S. Postnikov, V. Samoylov, 23 pp.

RUSSIAN, per, Vest Statistiki, No 7, 1958, pp 37-50.

JPRS L-1124-N

New Statistical Accounting for Industry and Construction, by T. Volkov, 10 pp.

RUSSIAN, per, Vest Statistiki, No 7, 1958, pp 74-79.

JPRS L-1135-N

USSR  
Economic (Contd)

A New Selective Investigation, by  
I. Matyukha, 4 pp.  
RUSSIAN, per, Vest Statistiki, No 10,  
1958, pp 75, 76.

JPRS L-1109-N

Automatization and Mechanization of Communi-  
cation Facilities, 7 pp.  
RUSSIAN, per, Vest Svyazi, No 6, 1958,  
pp 3, 4.

ACSI, H-4955, A

The Development of a Multi-Program Broad-  
cast in Georgia, 5 pp.  
RUSSIAN, per, Vest Svyazi, No 6, 1958,  
pp 15, 16.

ACSI, H-4955, B

Communication Facilities and Radiofication  
for Service to the Collective Farm Projects,  
6 pp.  
RUSSIAN, per, Vest Svyazi, No 6, 1958,  
pp 19, 20.

ACSI, H-4955, C

The Leningradskiy Sovnarkhoz in Its Foreign  
Trade Work, by G. Rybalko, (NY-3000/7).  
RUSSIAN, per, Vneshnyaya Torgovlya, No 9,  
1959, pp 30-32.

\*JPRS

Enterprises of the Sverdlovskiy Sovnarkhoz  
Improve Their Work in the Fulfillment of  
Export Orders, by N. Vorobey, (NY-3000/?).  
RUSSIAN, per, Vneshnyaya Torgovlya, No 10,  
1959, pp 48-50.

\*JPRS

The Mastery and Improvement of the Solonetz  
Soils of the West Siberian Plain, by K. P.  
Gorshenin, (DC-3193).  
RUSSIAN, per, Zemledeliye, No 10, Moscow,  
1959.

\*JPRS

USSR

Economic (Contd)

Earth-Moving Equipment and Automotive  
Cranes, (DC-3269).  
FRENCH, bk, Les Machines et le Material  
Sovetiques sur le Marche Mondial, 1958,  
pp 67-76; 106-108.

\*JPRS

Production of Transformer Steel in the USSR,  
by G. M. Borodulin.  
POLISH, per, Hutnik, Vol XXIV, No 7/8, 1957,  
pp 272-277.

HB 4144

On the Results of Scientific Work on the  
Complex Problem of Scientific Principles  
for Automation and Telemechanization of  
Production Processes' for 1958, 6 pp.  
UKRAINIAN, per, Avtomatika, No 2, 1959,  
pp 109-111.

JPRS 1962-N

USSR  
Political

The Cinema and the Building of Communism  
USSR, 15 pp.

RUSSIAN, per, Iskusstvo Kino, No 3, 1959,  
pp 21-29.

JPRS L-1930-D

Communism Is the Complete Realization of  
Practical Humanism, by M. Petrosyan, (NY-3264).  
RUSSIAN, per, Kommunist, No 7, 1959, pp 13-25.

\*JPRS

Communism and Culture, by S. Konenkov,  
(NY-3264).

RUSSIAN, per, Kommunist, No 7, 1959,  
pp 38-50.

\*JPRS

Reconstruction of Life on Communist Principles,  
12 pp.

RUSSIAN, per, Molodoy Kommunist, No 8, 1959,  
pp 3-11.

JPRS 1032-D

Raising the Well-Being of the People, by  
S. Sitaryan, 12 pp.

RUSSIAN, per, Molodoy Kommunist, No 8, 1959,  
pp 65-74.

JPRS 1033-D

What We Saw at US Plants and Mines, by R.  
Kadyrbayev, 11 pp.

RUSSIAN, per, Narod Khoz Kazakh, No 8, Alma  
Ata, 1959, pp 79-85.

JPRS L-1112-N

Historical Experience of the Party's Struggle  
for Socialism and Communism, by A. Petrov,  
A. Uglyumov, 12 pp.

RUSSIAN, per, Partinaya Zhizn, No 14, Jul  
1959, pp 21-28.

JPRS 1009-D

Letters to the Editor (From the Latest Mail),  
by O. Riss, et al.

RUSSIAN, per, Partinaya Zhizn, No 14, Jul  
1959, pp 56, 57.

JPRS 1010-D

No, This Is Our Business.

RUSSIAN, np, Sovet Aviatsiya, 3 Oct 1959,  
p 2.

\*AID

USSR

Political (Contd)

Discussion of the Report on the Tasks of the Institute of Law of the Academy of Sciences USSR in the Light of the Decisions of the XXI Party Congress, by P. F. Pankratov, 7 pp. RUSSIAN, per, Sovet Gosudarstvo i Pravo, No 7, 1959, pp 143-145.

JPRS 1043-D

Commissions on Legislative Proposals of the Union Soviet and Nationalities Soviet of the Supreme Soviet, USSR, 20 pp. RUSSIAN, per, Sovet Profsoyuzy, 19 Oct 1959, pp 6-16.

JPRS 1056-D

Revisionist and Dogmatic Trends in Present-Day Communism, by A. A. Avtorkhanov, 23 pp. RUSSIAN, per, Vest Inst po Izucheniyu SSSR, No 3(2), 1958, pp 7-25.

JPRS 2105-N

Lenin's "Materialism and Empiriocriticism" and the Contemporary Ideological Struggle, (NY-3265). RUSSIAN, per, Voprosy Filosofii, No 5, 1959, pp 3-17.

\*JPRS

The Development of Soviet Intransnational Relations During the Period of the Expanded Building of Communism, by I. P. Tsameryan, 19 pp. RUSSIAN, per, Voprosy Filosofii, No 7, 1959, p 35.

JPRS 1036-D

USSR  
Military

Artillery Materiel, by D. D. Voronovskiy,  
20 pp.  
RUSSIAN, bk, Material'naya Chast' Artillerii,  
Boyepripas i Fribory, 1958, pp 157-166,  
180-183, 208-212.

JPRS 1042-D

Here Is a Road Every Minute, by A. Soskov,  
3 pp.  
RUSSIAN, np, Krasnaya Zvezda, 7 Aug 1959.

ACSI, H-4986

Means of Battle With Fires in Regions of  
Atomic Blasts, by M. Kravchenko, 5 pp.  
RUSSIAN, np, Krasnaya Zvezda, 30 Aug 1959.

ACSI, H-4989

American Concentrate Their Tactical Air  
Forces in Europe.  
RUSSIAN, np, Sovet Aviatsiya, 27 Oct 1959,  
p 4.

\*AID

New Outstanding Achievements of Soviet Pilots.  
RUSSIAN, np, Sovet Aviatsiya, 5 Nov 1959, p 1.

\*AID

A Re-equipped Prime-Mover.  
RUSSIAN, per, Tankist, No 1, 1959.

ACSI, H-5011

The Submarine in Modern War, by N. Bolgarov.  
RUSSIAN, per, Voyennyye Znaniya, No 8, 1959,  
pp 36, 37.

Navy 2374/ONI 623

Heatseeking Course and Bearing Finder-Means  
of Reconnaissance, by Ye. Kosyrev, 9 pp.  
RUSSIAN, per, Voyennyye Znaniya, No 10,  
1959, pp 19, 20.

ACSI, H-6056

Semi-Automatic Carbine, by A. Loshchilov,  
7 pp.  
RUSSIAN, per, Voyennyye Znaniya, No 10,  
1959, pp 26, 27.

ACSI, H-6056

Behind the Curtain in the Red Admiralty,  
by Fritz E. Giese, 7 pp.  
GERMAN, per, Wehrkunde, Oct 1959.

Navy/ONI 5081904

USSR  
Sociological

Olympic Games; A Manual for Participants,  
by K. M. Kolobova, Ye. L. Ozeretskaya, 48 pp.  
RUSSIAN, bk, Olimpiyskiye Isgry; Posobiye  
dlya Uchashchikhsya, 1958, 63 pp.

JPRS L-1955-D

Work and Morality, by V. Nesterov, (NY-3262).  
RUSSIAN, per, Agitator, No 9, 1959, pp 9-13.

\*JPRS

To Expand and Disseminate Atheistic Propa-  
ganda, (DC-3234).  
RUSSIAN, per, Agitator, No 16, Aug 1959,  
pp 3-6.

\*JPRS

Our Atheism Is Aggressive, by L. Pinchuk,  
(DC-3234).  
RUSSIAN, per, Agitator, No 21, Nov 1959,  
pp 58-62.

\*JPRS

The Nature of Islam, by Mikhail Geydarov,  
5 pp.  
RUSSIAN, np, Bakinskiy Rabochiy, 14 Oct 1959,  
p 3.

JPRS 1073-D

A Liar in the Role of "Defender of Islam,"  
by Rauf Seidov, (DC-3234).  
RUSSIAN, np, Bakinskiy Rabochiy, 18 Nov  
1959, p 3.

\*JPRS

First Congress on Preschool Education, (NY-3263).  
RUSSIAN, per, Doshkol'noye Vospitaniye, No 5,  
1959, pp 15-26.

\*JPRS

Under the White Turban, by Aleksey Yermukham-  
madovich Sokibayev, 5 pp.  
RUSSIAN, np, Izvestiya, 18 Oct 1959, p 3.

JPRS 1073-D

Effect of the Inclination of the SN-3  
Gravimeter on Zero Point Variations, by  
P. F. Shokin, 16 pp.  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zaved.  
MVO, SSSR, Razdel Geodeziya i Aerofotos'eniya,  
No 3, 1959, pp 109-117.

JPRS L-1934-D

USSR

Sociological (Contd)

The Marxist Line in the Struggle Against Religion, by D. Erport, 14 pp.  
RUSSIAN, per, Kommunist Estonii, No 6, Tallin, 1959, pp 43-52.

JPRS 1046-D

Happiness Is To Be Found Only Upon Earth, by Lyubov Rozhkova, 4 pp.  
RUSSIAN, np, Kommunist Tadzhikistana, 30 Sep 1959, p 4.

JPRS 1034-D

A. S. Makarenko on Cultural and Education Work With Youth, by L. Blinkov, (NY-3260). RUSSIAN, per, Kul'turno-Prosvetitel'naya Rabota, Vol XIX, No 3, 1958, pp 43-46.

\*JPRS

In the Club and in the Church, by Yu. Oklyanskiy, (DC-3234). RUSSIAN, np, Literaturnaya Gazeta, 21 Nov 1959, pp 1, 2.

\*JPRS

Political and Moral-Training Work With Pioneers, by Z. K. Shnekendorf, (NY-3261). RUSSIAN, per, Nachal'naya Shkola, No 5, 1959, pp 15-21.

\*JPRS

Working Among Believers, by L. Anufriyev, 5 pp.  
RUSSIAN, per, Partiynaya Zhizn', No 20, Oct 1959, pp 49-52.

JPRS 1073-D

They Broke With Religion, by M. Zelenin, (DC-3234). RUSSIAN, per, Partiynaya Zhizn' Kazakh, No 11, 1959, pp 60-62.

\*JPRS

Science Against Religion, (DC-3234). RUSSIAN, np, Pravda, 3 Nov 1959, p 4.

\*JPRS

With the Bible in One Hand, by R. Valme, 4 pp.  
RUSSIAN, np, Sovet Estoniya, 17 Sep 1959, p 2.

JPRS 1034-D

USSR  
Sociological (Contd)

Rotten Supports, Empty Illusions, by R.  
Layubakh, 3 pp.  
RUSSIAN, np, Sovet Estoniya, 27 Sep 1959,  
p 3.

JPRS 1034-D

Apparition of a 'Spirit', by A. Yerisanov,  
3 pp.  
RUSSIAN, np, Sovet Estoniya, 3 Oct 1959, p 2.

JPRS 1034-D

Criminal in a Cassock, by Yu. Romanov, M.  
Kharmats, 4 pp.  
RUSSIAN, np, Sovet Kirgiziya, 6 Oct 1959,  
p 3.

JPRS 1034-D

Wolves in Sheeps' Clothing, by Yu. Gaylis,  
4 pp.  
RUSSIAN, np, Sovet Latviya, 27 Sep 1959,  
p 3.

JPRS 1034-D

Father Sergey and the Protecting Angels, by  
N. Umnova, (DC-3234).  
RUSSIAN, np, Sovet Rossiya, 20 Nov 1959,  
p 3.

\*JPRS

Discussion of the Results of the Work of the  
Institutes of Oriental Studies and Sinology  
of the Academy of Sciences USSR During 1958,  
by N. S. Pavlev, (DC-3206).  
RUSSIAN, per, Voprosy Istorii, No 4, 1959,  
pp 201-207.

\*JPRS

Biographic

Data on Scientific Personnel, 60 pp.  
RUSSIAN, bk, Bol'shaya Sovetskaya  
Entsiklopediya, Vol LI, 1958.

JPRS L-1105-N

EASTERN EUROPE

Economic

State Budget for 1959, by Aleks Verli, 17 pp.  
ALBANIAN, per, Economia Popullore, Vol VI,  
No 2, Tirana, Mar/Apr 1959, pp 3-15.

JPRS 2055-N

Fishing in Inland Waters, by Ndoc Filipi,  
19 pp.  
ALBANIAN, per, Economia Popullore, Vol VI,  
No 2, Tirana, Mar/Apr 1959, pp 33-48.

JPRS 2089-N

Selected Tables on Agriculture in Bulgaria  
From "Labor Productivity in Agriculture,"  
by Prokopi Kiranov, 22 pp.  
BULGARIAN, bk, Proizvoditelnost na Truda v  
Selskoto Stopanstvo, Sofia, 1958, pp 37, 38,  
40, 44, 45, 47, 55, 59, 60, 62, 75, 157, 196,  
200, 225, 253, 257-259.

JPRS 2089-N

Some Conclusions From the Investigations to  
Determine Coal Losses in 1957 and the First  
Half of 1958, by Y. Kunev, P. Baltadzhiev,  
13 pp.  
BULGARIAN, per, Minno Delo, Vol XIV, No 3,  
May/Jun 1959, pp 13-22.

JPRS 2025-N

An Exploitation Evaluation of the "Vurli  
Bryag" Copper Ore Deposit, Burgas Okrug,  
by Iv. Khristov, Iv. Mutafchiev, 22 pp.  
BULGARIAN, per, Minno Delo, Vol XIV, No 3,  
May/Jun 1959, pp 23-40.

JPRS 2025-N

Reserves for Increasing Agricultural Production  
During the Third Five-Year Plan, by Sl.  
Neshev, 24 pp.  
BULGARIAN, per, Planovo Stopanstvo, No 1,  
Sofia, 1959, pp 12-28.

JPRS 2049-N

Fulfilling the Five-Year Plan for Local and  
Cooperative Industry, by D. Popdimitrov,  
18 pp.  
BULGARIAN, per, Planovo Stopanstvo, No 1,  
Sofia, 1959, pp 41-54.

JPRS 2049-N

Eastern Europe  
Economic (Contd)

Bulgarian Textile Exports, by C. Nevruzyan,  
N. Tsankov, 7 pp.  
BULGARIAN, per, Vnusha Turgoviya, No 6,  
Sofia, 1959, pp 13-15.

JPRS 2055-N

The Kosmet Area in Yugoslavia, by Radovan  
Pavic, 17 pp.  
CROATIAN, per, Geografiski Horizont, Vol V,  
No 1/2, Jan/Jun 1959, pp 17-31.

JPRS 2089-N

Modern Economic History and the Stages of  
Economic Growth, by W. W. Rostow, 22 pp.  
CROATIAN, per, Medjunarodni Problemi,  
Vol XI, No 2, Belgrade, 1959, pp 36-55.

JPRS L-1964-D

On the Problems of Topographical Mapping on  
the 1:10,000 Scale by the Universal Photo-  
grammetric Method, by Stanislav Jaros, 14 pp.  
CZECH, per, Geodeticky a Kartograficky Obzor,  
Vol V/XLVII, No 4, 1959, pp 72-75.

JPRS 2025-N

Investment Construction and New Organization  
of Planning, by Engr Koutik, 8 pp.  
CZECH, per, Hospodarske Noviny, Vol III,  
No 28, Prague. 10 Jul 1959, p 6.

JPRS 2089-N

Linings for the Electric Arch Furnace, by  
Frantisek Prochaska, (NY-3337).  
CZECH, per, Hutnik, Vol IX, No 10, 1959,  
pp 332-337.

\*JPRS

The Economy of Scrap Metal, by Vilem Friedrich,  
(NY-3337).  
CZECH, per, Hutnik, Vol IX, No 11, 1959,  
pp 372-375.

\*JPRS

Assembled Construction of the Superstructure  
of the Orlik Hydroelectric Power Plant, by  
Jan Mares, 9 pp.  
CZECH, per, Inzenyrskie Stavby, No 5, Prague,  
1959, pp 170-174.

JPRS 2055-N

Eastern Europe  
Economic (Contd)

Expansion of Production of Construction Materials, by Josef Krofta, Joseph Churacek, 16 pp.  
CZECH, per, Planovane Hospodarstvi, No 5, Prague, 1959, pp 361-370.

JPRS 2017-N

Expansion of the National Economy in 1960, 11 pp.  
CZECH, per, Planovane Hospodarstvi, No 9, Prague, 1959, pp 641-647.

JPRS 2049-N

Tasks of the State Planning Commission, by Otakar Siminek, (NY-3294).  
CZECH, per, Planovane Hospodarstvi, No 10, Prague, 1959, pp 721-726.

\*JPRS

New Measures in the Field of Planning and Formation of Prices, by Jiri Typolt, (NY-3294).  
CZECH, per, Planovane Hospodarstvi, No 10, Prague, 1959, pp 727-737.

\*JPRS

Directives for the Third Five-Year Plan, (NY-3325).  
CZECH, per, Planovane Hospodarstvi, No 11, Prague, 1959, pp 801-813.

\*JPRS

The Procedure and Methods of Working Out the Third Five-Year Plan, by Vladimir Horalek, (NY-3325).  
CZECH, per, Planovane Hospodarstvi, No 11, Prague, 1959, pp 814-821.

\*JPRS

Material Incentive for Promoting Technical Development, by V. Knobloch, E. Liska, M. Sokol, (NY-3325).  
CZECH, per, Planovane Hospodarstvi, No 11, Prague, 1959, pp 833-844.

\*JPRS

Keeping Track of Progress of Investment Construction Projects, by E. Cerveny, K. Johanovsky, M. Strejcek, (NY-3325).  
CZECH, per, Planovane Hospodarstvi, No 11, Prague, 1959, pp 845-851.

\*JPRS

Eastern Europe  
Economic (Contd)

Industrial Investment Development in Usti  
and Labem Kraj for 1955 to 1960, by Petr  
Novozamsky, 16 pp.  
CZECH, per, Pozemni Stavby, No 7, 1959,  
pp 348-353.

JPRS 2071-N

Legislation on State and Slovak Planning  
Commissions, (NY-3266).  
CZECH, SLOVAK, np, Sbirka Zakonom, No 19,  
22 Jul 1959, pp 115, 116, 120-125.

\*JPRS

Labor Productivity in Czechoslovak Trade,  
by J. Ruzicka, 10 pp.  
CZECH, per, Statisticky Obzor, No 3, 1959,  
pp 122-128.

JPRS 2071-N

Report on the Expansion of the Czechoslovak  
National Economy in the First Half of 1959,  
21 pp.  
CZECH, per, Statisticky Obzor, No 8, 1959,  
pp 1-15.

JPRS 2071-N

The Direction of Development of the Lime  
Industry, by J. Krofta, 12 pp.  
CZECH, per, Stavivo, No 5, Prague, 1959,  
pp 122-156.

JPRS 2071-N

Material Incentives for Improvements on  
Investment Construction Projects, (NY-3287).  
CZECH, np, Uredni List, No 72, Prague,  
22 Sep 1959, pp 851-856.

\*JPRS

Ministry of Agriculture Decrees on Payment  
for Mechanical Work and on Forage, (NY-3246).  
CZECH, np, Uredni List, No 80, Prague, 29 Oct  
1959, pp 939-945.

\*JPRS

Measures for the Fulfillment of Future Commu-  
nications Tasks, by Alois Neuman, 9 pp.  
CZECH, per, Vestnik Spoju, No 36, Prague,  
3 Sep 1959, pp 1-8.

JPRS 2089-N

Eastern Europe  
Economic (Contd)

A Few Observations on the Carry-Out Service  
of the Ready-Made Meals in Industrial Catering,  
6 pp.

CZECH, per, Vyziva Lidu: Casopis Spolecnosti  
pro Racionální Vyzivu, Vol XIV, No 5, 1959,  
pp 67-69.

ACSI, H-4964

Analysis of Prerequisite for the Transfer of  
Machinery From the MTs to the JZD's, by  
Vladimir Pilisek, 29 pp.

CZECH, per, Zemědelska Ekonomika, Vol V,  
No 6, 1959, pp 423-446.

JPRS 2071-N

Analysis of Eastern Trade, August 1959, 17 pp.  
GERMAN, rpt, Beobachtungen zum Ostverkehr  
imeni Monat, Aug 1959.

Navy/CNI 5081450

The Cost Price of a Complete Balanced Diet  
for the Federal Armed Forces, 16 pp.

GERMAN, per, Archiv fuer Hygiene und Bak-  
teriologie, Jan 1959, pp 21-37.

ACSI, H-5016

The Development of Open Pit Brown Coal Mining  
in 1949-1959, by R. Fleischer, (NY-3250).  
GERMAN, per, Bergbautechnik, Vol IX, No 10,  
Berlin, 1959, pp 506-520.

\*JPRS

State of Development of Brown-Coal Briquette  
Production, by G. Bilkeuroth, P. Kuhuke,  
(NY-3250).

GERMAN, per, Bergbautechnik, Vol IX, No 10,  
Berlin, 1959, pp 521-529.

\*JPRS

Ten Years of East German Hard-Coal Mining,  
by E. Kaulbars, (NY-3250).

GERMAN, per, Bergbautechnik, Vol IX, No 10,  
Berlin, 1959, pp 530-539.

\*JPRS

The Development of Potash Mining in the Ten  
Years of East Germany, by H. Jendersie,  
(NY-3250).

GERMAN, per, Bergbautechnik, Vol IX, No 10,  
Berlin, 1959, pp 540-545.

\*JPRS

Eastern Europe  
Economic (Contd)

Development of the Chemical Industry, by  
Walter Singer, (NY-3276).  
GERMAN, per, Chemische Technik, No 9, Berlin,  
1959, pp 467-470.

\*JPRS

Development of the VEB "Walter Ulbricht"  
Leuna-Werke, by Wolfgang Schirmer, (NY-3276).  
GERMAN, per, Chemische Technik, No 9, Berlin,  
1959, pp 501-504.

\*JPRS

The VEB Chemical Plant in Nuenchritz, by  
Gerhard Walther, (NY-3276).  
GERMAN, per, Chemische Technik, No 9, Berlin,  
1959, pp 505-508.

\*JPRS

Theme and Organization of Work of the Institute  
of Synthetic Fiber Research in Relation  
of Practical Application, by Hermann Clare,  
(NY-3276).  
GERMAN, per, Chemische Technik, No 9, Berlin,  
1959, pp 509-513.

\*JPRS

Reorganization of the Agricultural Machinery  
Industry, by M. Koerner, 6 pp.  
GERMAN, per, Deutsche Agrartechnik, Vol IX,  
No 8, Berlin, 1959, pp 337-340.

JPRS 2017-N

The Maintenance of Agricultural Machinery  
After Its Transfer to the LPGs, by K.  
Nitsche, (NY-3278).  
GERMAN, per, Deutsche Agrartechnik, Vol IX,  
No 9, 1959, pp 397-401.

\*JPRS

Double Utilization of Winter Rye and Vetch  
Mixture, by H. Schulz, 11 pp.  
GERMAN, per, Die Deutsche Landwirtschaft,  
Vol X, No 9, Berlin, 1959, pp 423-426.

JPRS 2085-N

Past and Future Development of the GDR  
Textile Industry, by Otto Lindenayn,  
(NY-3335).  
GERMAN, per, Deutsche Textiltechnik, Vol IX,  
No 9, Berlin, 1959, pp 450-456.

\*JPRS

Eastern Europe  
Economic (Contd)

The Cotton Industry, by Alfred Krahl,  
(NY-3335).

GERMAN, per, Deutsche Textiltechnik,  
Vol IX, No 9, Berlin, 1959, pp 457-460.

\*JPRS

Wool and Silk Industry, by Wolfgang Trautloft,  
(NY-3335).

GERMAN, per, Deutsche Textiltechnik, Vol IX,  
No 9, Berlin, 1959, pp 461-464.

\*JPRS

Textile Research and Development in the GDR,  
(NY-3335).

GERMAN, per, Deutsche Textiltechnik, Vol IX,  
No 9, Berlin, 1959, pp 469-479.

\*JPRS

Problems in the Development of High-Voltage  
Installation Manufacturing and Construction  
Enterprises, by Willi Stoecker, 10 pp.  
GERMAN, per, Der Elektro-Praktiker, Vol XIII,  
No 7, Berlin, 1959, pp 193-196.

JPRS 2017-N

Reorganization of the Integrated Power

System, by W. Roesel, 10 pp.

GERMAN, per, Energietechnik, Vol IX, No 8,  
Berlin, 1959, pp 337-340.

JPRS 2049-N

Plans for the 380-Kilovolt Line in East  
Germany, by G. Grosspetzsch, 15 pp.

GERMAN, per, Energietechnik, Vol IX, No 8,  
Berlin, 1959, pp 353-358.

JPRS 2049-N

Ten Years of the Electric Power Economy of  
East Germany, by W. Noeldeke, (NY-3251).

GERMAN, per, Energietechnik, Vol IX, No 10,  
1959, pp 426-440.

\*JPRS

Status and Development of Steam Boiler Pro-  
duction in East Germany, by F. Kollaritsch,  
H. Treu, (NY-3251).

GERMAN, per, Energietechnik, Vol IX, No 10,  
1959, pp 441-448.

\*JPRS

Eastern Europe  
Economic (Contd)

Large Constructions for Electric Power Production in East Germany, by H. Stimmel  
(NY-3251).

GERMAN, per, Energiotechnik, Vol IX, No 10,  
1959, pp 449-454.

\*JPRS

Status and Long-Range Plans of the Development and Production of Miniature Electronic Components for the Communications Industry, by W. Heinze, 16 pp.

GERMAN, per, Nachrichtentechnik, Vol IX,  
No 6, 1959, pp 265-269.

JPRS 2057-N

Long-Range Plan for the Mechanization of Superstructure Work on East German Railroads, by Erich Huelzenbecher, 17 pp.

GERMAN, per, Signal und Schiene, Vol III,  
No 9, 1959, pp 199-204.

JPRS 2085-N

The Loading Equipment of the Norathlos 2501, Part I and II, 11 pp.

GERMAN, per, Soldat und Technik, No 7/8,  
1959.

ACSI, H-4771

Indices of East German Retail Trade Turnover at Constant Prices, by Arnold Dona, Edgar Kante, 16 pp.

GERMAN, per, Statistische Praxis, Vol XIV,  
No 5, 8, 1959, pp 92-94, 156-158.

JPRS 2057-N

Mechanization and Automation in Foundries, by H. Rosenberger, (NY-3279).

GERMAN, per, Die Technik, Vol XIV, No 9,  
1959, pp 586-594.

\*JPRS

The Technical Level of Production in the Cement Industry of the GDR, by Klaus Neumann, 14 pp.

GERMAN, per, Vierteljahreshefte zur Statistik der Deutschen Demokratischen Republik, No 2,  
1959, pp 44-48.

JPRS 2049-N

Eastern Europe  
Economic (Contd)

Development of the Glass and Ceramic Industries  
in the GDR, by Hildegard Wollenberg, 12 pp.  
GERMAN, per, Vierteljahreshefte zur Statistik  
der Deutschen Demokratischen Republik, No 2,  
1959, pp 52-56.

JPRS 2049-N

Home Building in the GDR, by Bruno Minowsky,  
Heinz Mueller, 17 pp.  
GERMAN, per, Vierteljahreshefte zur Statistik  
der Deutschen Demokratischen Republik, No 2,  
1959, pp 56-62.

JPRS 2049-N

Notes on the Principles of International  
Division of Labor, by Gyorgy Goncol, 23 pp.  
HUNGARIAN, per, Kozgazdasagi Szemle, Vol VI,  
No 8/9, Budapest, 1959, pp 811-825.

JPRS 2055-N

New Trends in Hungarian Foreign Trade, by  
Gyula Karadi, (NY-3288).  
HUNGARIAN, per, Kozgazdasagi Szemle, No 11,  
Budapest, 1959, pp 1141-1158.

\*JPRS

The Manpower Situation of the Construction  
Industry, by Sandor Fonal, Janos Lokkes,  
(NY-3288).  
HUNGARIAN, per, Kozgazdasagi Szemle, No 11,  
Budapest, 1959, pp 1170-1183.

\*JPRS

On the Fourteenth Session of the Economic  
Commission for Europe, by Jozsef Buzas,  
5 pp.  
HUNGARIAN, per, Kulkereskedelem, Vol III,  
No 6, Budapest, 1959, pp 4, 5.

JPRS 2085-N

Excerpts From Housing Construction and  
Urban Development in the Western Districts  
of Pecs, Hungary, by Odon Denesi, Laszlo  
Szende, 14 pp.  
HUNGARIAN, per, Magyar Epitomuveszet,  
Vol VIII, No 3/4, 1959, pp 83-109.

JPRS L-1963-D

Eastern Europe  
Economic (Contd)

The Economy in the Use of Energy Bearers  
in the Hungarian Chemical Industry, by  
Jozsef Gloetzer, 25 pp.  
HUNGARIAN, per, Magyar Kemikusok Lapja,  
Vol XIV, No 9, Budapest, 1959, pp 341-350.

JPRS 2055-N

Resolution on State Support for the Economic  
Consolidation and Development of the TSZ,  
(NY-3283).  
HUNGARIAN, per, Magyar Kozlony, No 110,  
Budapest, 15 Nov 1959, pp 919-930.

\*JPRS

Production of Morphine Alkaloids in Hungary,  
by Gyorgy Herczog, Ivan Oros, (NY-3277).  
HUNGARIAN, per, Statisztikai Szemle, Vol  
XXXVII, No 11, Budapest, 1959, pp 1082-1099.

\*JPRS

The Development of Fodder Production From  
1955-1958, by Lorand Nagy, (NY-3277).  
HUNGARIAN, per, Statisztikai Szemle, Vol  
XXXVII, No 11, Budapest, 1959, pp 1100-1114.

\*JPRS

Data on 1957-1958 Private Construction  
Activity, by Gyorgy Lonti, (NY-3277).  
HUNGARIAN, per, Statisztikai Szemle, No 11,  
Budapest, 1959, pp 1128-1140.

\*JPRS

The Establishment of Production Values of  
Completed Construction Work, (NY-3336).  
HUNGARIAN, per, Tervgazdasagi Ertesito,  
No 15, Budapest, 13 Aug 1959, pp 177-181.

\*JPRS

Results of Pilot-Plant Production of Low-  
Soda Content Super Thomas Meal, by Jerzy  
Gdynia, 8 pp.  
POLISH, per, Chemik, Vol XII, No 5,  
Gliwice, 1959, pp 194-197.

JPRS 2057-N

Achievements of Volunteer Labor in Construc-  
tion and Maintenance of Local Roads, by  
Wladyslaw Filippoto, (NY-3249).  
POLISH, per, Drogownictwo, No 9, Warsaw,  
1959, pp 206-211.

\*JPRS

Eastern Europe  
Economic (Contd)

The Character of the Turnover Tax, by  
Tadeusz Kierczynski, 17 pp.  
POLISH, per, Finanse, No 6, Warsaw,  
1959, pp 30-40.

JPRS 2085-N

Role of Finance in the National Economy,  
by Mieczyslaw Jaslar, (NY-3268).  
POLISH, per, Finanse, No 8, Warsaw, 1959,  
pp 1-7.

\*JPRS

Bank Credits as an Instrument for Improving  
Operations of Construction and Assembly  
Enterprises, by Henryk Copik, (NY-3268).  
POLISH, per, Finanse, No 8, Warsaw, 1959,  
pp 12-17.

\*JPRS

Wage Proportions, by Bronislaw Fick, (NY-3267).  
POLISH, per, Finanse, No 9, Warsaw, 1959,  
pp 6-19.

\*JPRS

Problem of Accumulation in Construction, by  
Olga Kapkowska, (NY-3267).  
POLISH, per, Finanse, No 9, Warsaw, 1959,  
pp 24-28.

\*JPRS

The Development of Ferrous Metallurgy and  
the Problem of the Development of Coking  
Coal Mines, by Antoni Pienkowski, 19 pp.  
POLISH, per, Gospodarka Planowa, Vol XIV,  
No 7, Warsaw, 1959, pp 16-22.

JPRS 2085-N

Pros and Cons on the Development of Poland's  
Aluminum Production, by Jerzy Perlinaski,  
10 pp.  
POLISH, per, Gospodarka Planowa, Vol XIV,  
No 7, Warsaw, 1959, pp 22-25.

JPRS 2085-N

Comparison of Consumption Level in Poland  
and West Germany, by Bohdan Szulc, (NY-3328).  
POLISH, per, Gospodarka Planowa, No 7, 1959,  
pp 26-35.

\*JPRS

Eastern Europe  
Economic (Contd)

New Aspects on the Problem of the Employment  
of Women, by Waclaw Fronczek, 12 pp.  
POLISH, per, Gospodarka Planowa, No 8, 1959,  
pp 11-16.

JPRS L-1939-D

Profitability of Exporting Agricultural  
Food Products in the Long Range Plan, by  
Pawel Glikman, Adam Szynkarczuk, (NY-3327).  
POLISH, per, Gospodarka Planowa, No 8, 1959,  
pp 25-30.

\*JPRS

Investments and Production Capability Based  
on Questionnaire of the Economic Council, by  
Michal Malicki, (NY-3326).  
POLISH, per, Gospodarka Planowa, No 9, 1959,  
pp 13-17.

\*JPRS

Necessity of Balancing Labor Force in Gorny  
Slask, by Tadeusz Kochanowicz, (NY-3326).  
POLISH, per, Gospodarka Planowa, No 9, 1959,  
pp 17-21.

\*JPRS

Prices in Working Out the Economic Plan for  
Poland, by Witalis Stacewicz, (NY-3326).  
POLISH, per, Gospodarka Planowa, No 9, 1959,  
pp 33-36.

\*JPRS

Effectiveness of Capital-Consuming Exports  
of Main Agricultural Food Products in the  
Long Range Plan, by Pawel Glikman, Adam  
Szynkarczuk, (NY-3326).  
POLISH, per, Gospodarka Planowa, No 9, 1959,  
pp 46-51.

\*JPRS

Review of Construction in Poland for Past  
Fifteen Years, (NY-3285).  
POLISH, per, Instancyje i Budownictwo, No 9,  
1959, pp 1-8.

\*JPRS

Capital Consumption in the Production of the  
Food Processing Industry, by Edward Rybarczyk,  
(NY-3285).  
POLISH, per, Instancyje i Budownictwo, No 9,  
1959, pp 17-23.

\*JPRS

Eastern Europe  
Economic (Contd)

A Fifteen-Year Survey of Developments in  
Industrial Construction, by Jerzy Kawecki,  
13 pp.

POLISH, per, Inzynieria i Budownictwo,  
Vol XVI, No 7, Warsaw, 1959, pp 265-275.

JPRS 2057-N

Articles on Agricultural Machinery, (NY-3304).  
POLISH, per, Mechanizacja Rolnictwa, Vol VI,  
No 10, Warsaw, 1959, pp 2, 4, 5, 15-18.

\*JPRS

Development and Achievements of the Polish  
Petroleum Refining Industry in 1958, by  
Leon Zukrowski, 25 pp.

POLISH, per, Nafta, Vol XV, No 6, Katowice,  
1959, pp 147-155.

JPRS 2057-N

Construction Details of the Second "Saletrzak"  
Fertilizer Division at Kedzierzyn in Poland,  
by Wladyslaw Lenkiewicz, 5 pp.

POLISH, per, Przeglad Budowlany, Vol XXXI,  
No 6, Warsaw, 1959, pp 286-290.

JPRS 2025-N

Housing Construction in 1958, by Jan Dangel,  
11 pp.

POLISH, per, Przeglad Budowlany, Vol XXXI,  
No 7, Warsaw, 1959, pp 315-318.

JPRS 2025-N

Large Panel Construction -- Achievements  
and Recommendations, by Boleslaw Kalinski,  
13 pp.

POLISH, per, Przeglad Budowlany, Vol XXXI,  
No 7, Warsaw, 1959, pp 318-322.

JPRS 2025-N.

Fourth Conference of the Ministers of the  
OSSH (And Meetings of OSSHD Committees),  
by Stefan Batkowski (and B. A.), 13 pp.

POLISH, per, Przeglad Kolejowy, Vol XI,  
No 7, Warsaw, 1959, pp 241-244, 279, 280.

JPRS 2057-N

Fifteen Years of Rolling Stock Construction  
in Poland; Exhibit of Polish State Railroads  
Rolling Stock and Equipment in Warsaw, by  
Anatol Lewkowicz, Miroslaw Gandziarek,  
(NY-3303).

POLISH, per, Przeglad Kolejowy Mechaniczny,  
Vol XI, No 10, Warsaw, 1959, pp 290-295.

\*JPRS

Eastern Europe  
Economic (Contd)

The Star 66 Cross Country Truck, by W.  
Milewski, 9 pp.  
POLISH, per, Przeglad Samochodowy.

ACSI, H-4317

Installation Equipment Industry, by  
Zygmund Jardel, 8 pp.  
POLISH, per, Przeglad Techniczny, No 32,  
Warsaw, 12 Aug 1959, pp 11-14.

JPRS 2025-N

Electrotechnical Porcelain Industry, by  
Marian Folik, 7 pp.  
POLISH, per, Przeglad Techniczny, No 32,  
Warsaw, 12 Aug 1959, pp 14-16.

JPRS 2025-N

The Scientific Research Centers and Institutions Supporting the Petroleum Industry,  
(NY-3340).  
POLISH, per, Przeglad Techniczny, Vol LXXX,  
Warsaw, May 1959, pp 41-44.

\*JPRS

Present Problems and Trends in the Development of Light Industry, by Marian Ciupak,  
(NY-3324).  
POLISH, per, Przeglad Wlokienniczy, Vol XIII,  
No 6, Lodz, 1959, pp 278-284.

\*JPRS

Production and Assembly of Apparatus in the Association of the Inorganic Industry, by Karol Palys, 8 pp.  
POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 6, Warsaw, 1959, pp 344-346.

JPRS 2057-N

Problems of Technical Progress in the Chemical Industry in the 1959-1965 Period, by Antoni Radlinski, 22 pp.  
POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 7, Warsaw, 1959, pp 397-402.

JPRS 2085-N

Factors Hampering Technical Progress in the Polish Chemical Industry, by Konstanty Laidler,  
(NY-3281).  
POLISH, per, Przemysl Chemiczny, Vol XXXVIII,  
No 9, Warsaw, 1959, pp 525-531.

\*JPRS

Eastern Europe  
Economic (Contd)

Status and Plans for the PZM (Polish Maritime Navigation) Enterprises, by W. Malecki, 10 pp.  
POLISH, per, Technika i Gospodarka Morska,  
Vol IX, No 7/8, Gdynia, 1959, pp 204-206.

JPRS 2017-N

Cargo Carriage on Through Bills of Lading, by  
St. Sokol-Szahin, 10 pp.  
POLISH, per, Technika i Gospodarka Morska,  
Vol IX, No 7/8, Gdynia, 1959, pp 209-211.

JPRS 2017-N

Development Plans of East German Transporta-  
tion, 8 pp.  
POLISH, per, Technika i Gospodarka Morska,  
No 10, Gdynia, 1959, pp 328-330.

JPRS 2085-N

Transportation and Storage of Imported and  
Domestic Iron Ores, by Tadeusz Rzebik,  
(NY-3282).  
POLISH, per, Wiadomosci Hutnicze, Vol XV,  
No 9, Katowice, 1959, pp 280-287.

\*JPRS

Utilization of the Working Time of Blast  
Furnaces, by Hubert Pabijanek, (NY-3339).  
POLISH, per, Wiadomosci Hutnicze, Vol XV,  
No 10, Katowice, 1959, pp 297-301.

\*JPRS

The Preparation of Metallurgical Charges  
From Imported Iron and Chromium Ores in  
the Period 1959-1965, by Tadeusz Rzebik,  
Stanislaw Polak, (NY-3339).  
POLISH, per, Wiadomosci Hutnicze, Vol XV,  
No 10, Katowice, 1959, pp 302-308.

\*JPRS

Electrification of Rumania, by N. Gheorghiu.  
(DC-3199).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 83, 84, 87-100.

\*JPRS

Development of the Coal Industry, by E.  
Matyas, I. Desmireanu, (DC-3199).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 109-120,  
123-126.

\*JPRS

Eastern Europe  
Economic (Contd)

Development of the Petroleum Industry, by  
I. Dumitru, C. Stefan, (DC-3199).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 127, 136-140,  
142, 144-147, 149.

\*JPRS

Development of the Iron and Steel Industry,  
by Carol Lonceanu, M. Resiga, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 160, 162-173,  
175-178, 181.

\*JPRS

Machine-Building and Metal-Processing Indus-  
try, by Carol Lonceanu, I. Desmireanu,  
(DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 191-202,  
205-218.

\*JPRS

Development of the Chemical Industry, by I.  
Velca, P. Jica, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 224, 225,  
227-236, 238, 239, 241.

\*JPRS

Development of the Wood Industry, by M.  
Suder, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 245-254.

\*JPRS

Development of Construction and the Construc-  
tion Materials Industry, by Emanoil Florescu,  
Andrei Andrei, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 261, 263-267,  
269, 270, 272-279.

\*JPRS

Development of the Rumanian Light Industry,  
by I. Rusanovschi, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 282-286-298,  
300, 301, 303, 305, 306.

\*JPRS

Eastern Europe  
Economic (Contd)

Development of the Rumanian Food Industry,  
by C. Teodoru, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 312-328.

\*JPRS

Development of Rumanian Local State Industry  
and the Artisan Cooperative, by Nicolae  
Stern, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 331-344.

\*JPRS

Creation and Development of a Technical-  
Material Base of Socialist Agriculture, by  
E. Alexe, V. V. Topor, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 390-396,  
398, 399.

\*JPRS

Development of State Farms, by Bucur Schiopu,  
D. Dumitru, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 407-410,  
413-416.

\*JPRS

Creation and Development of the Cooperative  
Socialist Sector of Agriculture, by Gh.  
Dragomir, Nica Sabin, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 423, 427-429,  
432-435, 438, 439, 441.

\*JPRS

Growth of Agricultural Production, by Marian  
Stancu, Eugen Barat, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 447, 448,  
457-461, 463, 465.

\*JPRS

Development of Forestry and of the Forestry  
Exploitation Industry, by N. Celac, C.  
Iacobovici, (DC-3255).  
RUMANIAN, bk, Economia Romaniei Intre Anii  
1944-1959, Bucharest, 1959, pp 467, 468,  
471-481, 483.

\*JPRS

Eastern Europe  
Economic (Contd)

Development of Rumanian Transportation and  
Telecommunications, by C. Antanasiu,  
(DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 488, 490-502.

\*JPRS

Creation and Development of the Rumanian  
Financial and Socialist Credit System, by  
Radu Manescu (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 534-545.

\*JPRS

Development of Rumanian Domestic Trade, by  
Al. Sobaru, Iordache Ionescu, (DC-3255).  
RUMANIAN, bk, Economia Rominiei Intre Anii  
1944-1959, Bucharest, 1959, pp 511-523.

\*JPRS

Research in the Field of Industrial Automation,  
by Ion S. Gheorghiu, (NY-3323).  
RUMANIAN, per, Automatica si Electronica,  
Vol III, No 4, Bucharest, Jul/Aug 1959,  
pp 147-151.

\*JPRS

Problems in Developing Industrial Automation,  
by I. Papadache, (NY-3323).  
RUMANIAN, per, Automatica si Electronica,  
Vol III, No 4, Bucharest, Jul/Aug 1959,  
pp 160-164.

\*JPRS

Electronics in New Industrial Techniques,  
by Mario Duma, (NY-3323).  
RUMANIAN, per, Automatica si Electronica,  
Vol III, No 4, Bucharest, Jul/Aug 1959,  
pp 171-176.

\*JPRS

Cable and Insulating Materials Factory, by  
Virgil Pircioaga, (NY-3331).  
RUMANIAN, per, Electrotehnica, Vol VII,  
No 8, Bucharest, 1959, pp 276-282.

\*JPRS

Eastern Europe  
Economic (Contd)

Laboratory Installation for Coating Fabrics,  
by I. Bucurenci, 6 pp.  
RUMANIAN, per, Industria Textila, No 6,  
Bucharest, 1958, pp 231, 232.

JPRS L-1959-D

Specialization of Rumanian Textile Enterprises and Modernization of Equipment, by  
T. Pelau, (NY-3293).  
RUMANIAN, per, Industria Textila, Vol X,  
No 9, Bucharest, 1959, pp 356-361.

\*JPRS

Working of Titanium-Bearing Pig Iron and  
Obtaining of Aluminum Slag, by N. Mally,  
16 pp.  
RUMANIAN, per, Metalurgia si Constructia  
de Masini, Vol XI, No 4, Bucharest, 1959,  
pp 273-280.

JPRS 2017-N

Reduction of Rejects at Foundries, by D.  
Barbulescu, 15 pp.  
RUMANIAN, per, Metalurgia si Constructia  
de Masini, Vol XI, No 4, Bucharest, 1959,  
pp 303-309.

JPRS 2017-N

Casting of Steel in Dry Molds at "Strungul"  
Works, by Constantin Wanyorek, 5 pp.  
RUMANIAN, per, Metalurgia si Constructia de  
Masini, Vol XI, No 4, Bucharest, 1959,  
pp 320-322.

JPRS 2017-N

Congo Railroads, by C. U., 4 pp.  
RUMANIAN, per, Revista Cailor Ferate,  
Vol VII, No 6, 1959, pp 317-320.

AMS

Savinesti Relon Plant, by S. Bosica,  
(NY-3345).  
RUMANIAN, per, Revista de Chimie, Vol X,  
No 8, 1959, pp 451-455.

\*JPRS

Planning in the Chemical Industry, by E.  
Bodnar, (NY-3345).  
RUMANIAN, per, Revista de Chimie, Vol X,  
No 8, 1959, pp 481-484.

\*JPRS

Eastern Europe  
Economic (Contd)

Development of the Construction Materials  
Industry in Rumania, (NY-3289).

RUMANIAN, per, Revista Constructiilor si  
a Materialelor de Constructii, Vol VIII,  
No 8, Bucharest 1959, pp 379-387.

\*JPRS

Achievements of Construction Trust No 1 -  
Bucharest, (NY-3289).

RUMANIAN, per, Revista Constructiilor si  
a Materialelor de Constructii, Vol VIII,  
No 8, Bucharest, 1959, pp 410-418.

\*JPRS

Development of the "Scaieni" Window Glass  
Factory, (NY-3289).

RUMANIAN, per, Revista Constructiilor si  
a Materialelor de Constructii, Vol VIII,  
No 8, Bucharest, 1959, pp 418-422.

\*JPRS

Large-Panel Construction in Czechoslovakia,  
by L. S. Raynus, 7 pp.

RUSSIAN, per, Bullet Tekh Informatsii, No 7,  
Leningrad, 1959, pp 29-32.

JPRS 2025-N

The Hungarian Nonferrous Metals Industry,

by A. I. Belyayev, I. L. Perlin, 7 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zaved.  
Tsvet Metallurg, No 6, 1958, pp 143-146.

JPRS 2062-N

The Coke Chemical Industry in Czechoslovakia,

by Yu. L. Pivovarov, 8 pp.

RUSSIAN, per, Koks i Khim, No 9, 1959,  
pp 61-64.

JPRS 2055-N

Organization of the Veterinary Service in  
Albania, by Muslim Selenitsa, Metush Liuli,  
V. A. Nikanorov.

RUSSIAN, per, Veterinariya, Vol XXXVI,  
No 9, 1959, p 83. 9045143

USDA

Reform of Industrial Workers' Wages, by  
Jozef Mihalik, (NY-3244).

SLOVAK, per, Ekonomicky Gasopis, No 2,  
Bratislava, 1959, pp 143-155.

\*JPRS

Eastern Europe  
Political

The Real and the Fabricated Struggle Against  
Revisionism, by Kiro Hadzi Vasilov, (DC-3220).  
CROATIAN, per, Socijalizam, Vol II, No 4,  
Belgrade, Aug 1959, pp 60-95.

\*JPRS

Second Congress of the Polish Association of  
Fighters for Freedom and Democracy, by  
Aleksander Szurek, (DC-3233).  
FRENCH, rpt, 1959.

\*JPRS

Trip to Asia With the First Parliamentary  
Delegation of the GDR, by Gerald Goetting,  
8 pp.  
GERMAN, np, Neue Zeitung, Vol XV, No 117,  
Berlin, 23 May 1959, pp 3, 4.

JPRS 1027-D

"Kultura" -- A Polish Emigre Periodical,  
(DC-3271).  
GERMAN, np, Neue Zuercher Zeitung, Zurich,  
24 Oct 1959, p 1.

\*JPRS

Military

Summit Battle of the Cold War.  
GERMAN, per, Wehrkunde, No 11, 1959.

\*RAND Corp

Location of Antiaircraft Artillery.  
POLISH, per, Skrzydlate Polska, No 44,  
1959, p 3.

\*AID

Eastern Europe  
Geographic

Methods of Mapping on Large Scales, by  
Vaclas Morch, Ladislav Skledal, 13 pp.  
CZECH, per, Geodeticicky a Kartograficky  
Ozvor, No 8, Prague, 1959, pp 141-144.

JPRS 2089-N

Storage and Control of Maps in Poland,  
by Julian Dabrowski, 38 pp.  
POLISH, per, Przeglad Geodezyjny, Vol XIV,  
(XXI), No 5, 6, Warsaw, 1959, pp 188-192,  
222-229.

JPRS L-1953-D

Fragmentation Relief of the Territory of  
Rumania, by T. Morariu, A. Savu, (NY-3341).  
RUMANIAN, per, Probleme de Geografie, Vol VI,  
Bucharest, 1959, pp 27-36.

\*JPRS

Hydrogeological Regioning of the Territory  
of Rumania, by E. Liteanu, P. Maroisi, S.  
Rotman, A. Prigajan, T. Bandrabur, C.  
Ghenea, (NY-3341).  
RUMANIAN, per, Probleme de Geografie, Vol VI,  
Bucharest, 1959, pp 47-54.

\*JPRS

Distribution of Land Erosion in the Rumanian  
People's Republic, by N. Al. Radulescu,  
(NY-3341).  
RUMANIAN, per, Probleme de Geografie, Vol VI,  
Bucharest, 1959, pp 175-179.

\*JPRS

Eastern Europe  
Sociological

Bulgarian Press Attacks Religious Prejudice  
Against Women, by Iv. Chomos, 3 pp.  
BULGARIAN, np, Cherveno Zname, No 51, Vidin,  
1 Aug 1959, p 2.

JPRS L-1917-D

Comparative Statistics on Bulgarian Educa-  
tion, by Georgi Toshev, 7 pp.  
BULGARIAN, per, Narodna Prosveta, Vol XV,  
No 9, Sofia, 1959, pp 106-109.

JPRS 1044-D

Mortality in Bulgaria, by Nikola T. Nenov, -  
10 pp.  
BULGARIAN, per, Statistika, No 4, Sofia,  
Jul/Aug 1959, pp 65-72.

JPRS-1091-D

Principles of the Instructional Plan and  
Program for the Gymnasium in Yugoslavia,  
(DC-3267).  
CROATIAN, per, Savremena Skola, Vol XIV,  
No 5/6, Belgrade, 1959, pp 197-223.

\*JPRS

Liquidation of the Hungarian University --  
Cluj and Its Consequences, 3 pp.  
GERMAN, Radio Free Europe, Item No 4039/59,  
2 Oct 1959, pp 3-5.

JPRS L-1932-D

Bulgarian Technical Higher Education, by  
Karoly Heberger, (DC-3254).  
HUNGARIAN, per, Felsooktatasi Szemle,  
No 9, 1959, pp 575-579.

\*JPRS

Leaders of Universities and Colleges in  
1959-1960, (DC-3251).  
HUNGARIAN, per, Felsooktatasi Szemle, No 10,  
1959, pp 632-634.

\*JPRS

Country of Great Progress, by Jan Urbaniak,  
9 pp.  
POLISH, per, Nowe Drogi, No 11, Warsaw, 1959,  
pp 18-25.

JPRS L-1966-D

The Anti-Scientific and Reactionary Nature  
of Contemporary Religious Faith, by Neculai  
Jderu, 5 pp.  
RUMANIAN, np, Contemporanul, 18 Sep 1959,  
p 6.

JPRS L-1928-D

Eastern Europe  
Sociological (Contd)

Does the Soul Exist, by Wilhelm Andrei,  
(DC-3257).

RUMANIAN, np, Munca, 28 Nov 1959, p 2.

\*JPRS

Mysticism - An Historical Phenomenon, by  
F. Zugravu, I. Sava, (DC-3256).

RUMANIAN, np, Scienteia Tineretului, Bucharest,  
27 Nov 1959, p 2.

\*JPRS

The Biblical Myth About Jesus, Part I, by  
Aurelian Tache, 4 pp.

RUMANIAN, per, Viata Studenteasca, Vol IV,  
No 9, Bucharest, 1959, p 10.

JPRS L-1954-D

The Biblical Myth About Jesus, Part II,  
by Aurelian Tache, 4 pp.

RUMANIAN, per, Viata Studenteasca, Vol IV,  
No 10, Bucharest, p 11.

JPRS L-1968-D

Evaluation of Rumanian Daily Press and  
Specialized Periodicals, 10 pp.

RUMANIAN, Radio Free Europe, Items No  
4210/59, 4220/59, 13/14 Oct 1959, pp 2-6.

JPRS L-1960-D

Biographic

Background Data on Rumanian Government Officials,  
4 pp.

RUMANIAN, Radio Free Europe, Item No 4040/59,  
2 Oct 1959, pp 2-6.

JPRS L-1933-D

NORTHERN EUROPE

Geographic

A Trip to Raastojaur -- Lake of the  
Char [Fjah], (DC-3200).  
SWEDISH, np, Dagens Nyheter, Stockholm,  
29 Aug 1959.

\*JPRS

They Live Along a One-Hundred-Fifty-Year-  
Old Boundary, (DC-3200).  
SWEDISH, np, Dagens Nyheter, 13 Sep 1959.

\*JPRS

Sociological

Reviews in Newspapers of Visit of New  
York Philharmonic to Goteborg, 9 pp.  
SWEDISH, np, 9 Oct 1959, Encl 1-6 to  
Desp No 100, AmConsul, Goetborg,  
19 Oct 1959.

Dept of State

NEAR EAST/AFRICA

Economic

By-Laws of the (WFTU-Affiliated) Iraqi General Federation of Labor, (DC-3801/6). ARABIC, rpt, Al-Ahali, Baghdad, 20, 22 Oct 1959, pp 4, 8, 5.

\*JPRS

Organization of Ministry of Industry (Iraq), 6 pp. ARABIC, rpt, Al Thawra, 22 Sep 1959, Encl to Desp No 296, AmEmbassy, Baghdad, 13 Oct 1959.

Dept of State  
4292408

Western Germany - United Arab Republic Credit and Technical Assistance Agreements, 10 pp. ARABIC, per, Official Journal, No 71, 11 Aug 1959, Encl to Desp No 193, Cairo, 26 Sep 1959.

Dept of State  
4248488

Decrees Fixing the Regulations Applicable to Grains From the 1959 Harvest, (Morocco), 17 pp. FRENCH, rpt, Encl to Agr Rpt No 3, AmEmbassy, Rabat, 15 Aug 1959.

USDA, FAS

Political

Nationalism and Communism, by Aziz al-Hajj, (DC-3213). ARABIC, pamphlet, Baghdad, 1959, 25 pp.

\*JPRS

Our Position in Regard to JAH (Quary: Could This Be the Anti-Imperialist Front, Also Known as the Front Against Colonialism?), (DC-3264). ARABIC, per, Ash-Shuyu'i, No 91, Khartoum, Sep 1957, pp 42-50.

\*JPRS

Report on the Activities of the Airport Party Organization, (DC-3265). ARABIC, per, Ash-Shuyu'i, No 92, Khartoum, Oct 1957, pp 51-58.

\*JPRS

Near East/Africa  
Political (Contd)

Union Matters, (DC-3265).

ARABIC, per, Ash-Shuyu'1, No 92, Khartoum,  
Oct 1957, pp 59-64.

\*JPRS

Concerning the Unity of Sudanese Communists,  
(DC-3265).

ARABIC, per, Ash-Shuyu'1, No 92, Khartoum,  
Oct 1957, pp 72-78.

\*JPRS

Excerpts From the Constitution of the Iraqi  
Federation of Democratic Youth, 3 pp.

ARABIC, np, Ittihad ash-Sha'b, Baghdad,  
11 Aug 1959, pp 1, 4.

JPRS 1016-D

Statement of the Executive Committee of the  
Iraqi Federation of Democratic Youth, 4 pp.

ARABIC, np, Ittihad ash-Sha'b, Baghdad,  
12 Aug 1959, p 3.

JPRS 1016-D

Statutes of the Moroccan Communist Party,  
(DC-3242).

FRENCH, official doc, Status du Parti  
Communiste Marocain, Casablanca, 25 Mar  
1959, 13 pp.

\*JPRS

The Program of the Communist Party of Cyprus  
(The Program of AKEL -- Restorative Party  
of the Working People), 21 pp.

GREEK, np, Kharavgi, Nicosia, 18, 20, 21 Oct  
1959, p 3.

JPRS 1072-D

Proceedings of the Second Material Convention  
of Israeli Communist Youth Organization (The  
National Convention of BNKY -- For the Prepara-  
tion of the Movement for the Election), 6 pp.  
HEBREW, np, Kol Haam, Tel Aviv, 30 Aug 1959,  
pp 1, 4.

JPRS 1016-D

National Platform of the Israeli Communist  
Party and Independents Ticket for Elections  
to the Local Authorities, 6 pp.

HEBREW, np, Kol Haam, Tel Aviv, 13 Sep 1959, p 2.

JPRS 1016-D

Suspicious Doings on the Iranian Coasts.

RUSSIAN, np, Soviet Flot, 4 Sep 1959, p 3.

\*AID

Near East/Africa  
Sociological

New Projects, by Bahiya Karam, 5 pp.  
ARABIC, per, Al-Mar'atu Fi Afriyya  
Wa Asiyya, Vol I, No 1, Cairo, Jul  
1959, pp 17-19.

JPRS L-1950-D

Statutes of the (Iraqi) Federation of  
Peasants Associations in the Provinces,  
3 pp.  
ARABIC, np, Ittihad ash-Sha'b, Baghdad,  
1 Oct 1959, pp 3, 8.

JPRS 1072-D

Statutes of the (Iraqi) National Federation  
of Peasant Associations, 4 pp.  
ARABIC, np, Ittihad ash-Sha'b, Baghdad,  
2 Oct 1959, pp 3, 8.

JPRS 1072-D

Biographic

Ivory Coast Officials - Biographic Informa-  
tion, 44 pp.  
FRENCH, doc, La Documentation Africaine,  
Paris, 15 May-14 Sep 1959, 41 pp.

JPRS L-1969-D

FAR EAST

Economic

Accounts of Budgets of Financial Revenues and Expenditures at All Levels for 1956, (DC-3250).

CHINESE, monograph, 1956-nien Chung-yang Ts'ai-cheng Fa-kuei Hui-pien, Nov 1957, pp 42-69.

\*JPRS.

Characteristics of Certain Chinese Coals, by Chen Hsueh-chun, 4 pp.

CHINESE, monograph, Kuo-lu-hsueh, Vol I, Shanghai, Mar 1959, pp 64, 65.

JPRS 1061-D

Relation Between Production and Consumption During First Five-Year Plan in China, by Niu Chung-huang, 123 pp.

CHINESE, monograph, Wo-kuo Ti-i Wu-nien Chi-hua Shih-ch'i Sheng-ch'an ho Hsiao-fei Kuan-hsi, publ by Ts'ai-cheng Ching-chi She, Chap IV-VI, Peiping, Feb 1959, pp 31-148.

CIA/FDD Tr 735

Economic Geography of the Yen-Pien Korean Autonomous Chou, by Li Chen-ch'uan, 131 pp.

CHINESE, monograph, Yen-pien Chao-hsien-tsu Tzu-chih, Chou Ching-chi Ti-li, Shanghai, Apr 1957, pp 1-84.

JPRS 2019-N

Continue to Advance Under the Banner of the General Line (Anhwei Province 1958 Work Report), by Tseng Hsi-sheng, 42 pp.

CHINESE, np, Anhwei Jih-pao, 12 Feb 1959, pp 1-3.

JPRS 2005-N

Work Report of Wuhan Municipal People's Council for 1957 and 1958, by Liu Hui-neng, 21 pp.

CHINESE, np, Chang-chiang Jih-pao, Hankow, 14 Nov 1958, p 3.

JPRS 1064-D

The Resolutions of the Representatives of the National Silk Industry Technological Innovation Experience Exchange Conference, 6 pp.

CHINESE, per, Che-chiang Ssu-chou, No 1, 20 Jan 1959, pp 13, 14.

JPRS 2015-N

**Far East**  
**Economic (Contd)**

Proclaim the Technological Revolution,  
Strive for a Greater Leap Forward in  
the Silk Industry, by Yu T'ing-sung,  
3 pp.

CHINESE, per, Che-chiang Ssu-chou, No 1,  
20 Jan 1959, p 16.

JPRS 2015-N

Promote Mass Movement, Organize Production  
Great Leap Forward -- Basic Experiences  
of Chekiang Silk Industry's 1958 Produc-  
tion Great Leap Forward, by Chai Hsi-wu,  
3 pp.

CHINESE, per, Che-chiang Ssu-chou, No 1,  
20 Jan 1959, p 4.

JPRS 2015-N

1958 Production Situation of the Silk Reel-  
ing Industry of Chekiang Province, 4 pp.  
CHINESE, per, Che-chiang Ssu-chou, No 1,  
20 Jan 1959, p 62.

JPRS 2015-N

1958 Production Situation of the Silk  
Textile Industry of Chekiang Province, 4 pp.  
CHINESE, per, Che-chiang Ssu-chou, No 1,  
20 Jan 1959, p 63.

JPRS 2015-N

A Glorious Page: The Great Victory of the  
Mass Movement for Smelting Iron and Steel,  
by Shen Chin, 6 pp.

CHINESE, per, Cheng-chih Hsueh-hsi, No 18,  
Peiping, 27 Sep 1959, pp 20-23, 24, 25.

JPRS 2060-N

Introducing the Shanghai Model HK-16 Bus,  
by Chang Ying-jung, 3 pp.

CHINESE, per, Ch'i-ch'e, No 9, Peiping,  
1959, p 11.

JPRS 2068-N

Preparation and Uses of No 9-1.5 Zinc-  
Aluminum-Copper Alloy, by Fu Meng-lin,  
3 pp.

CHINESE, per, Ch'i-ch'e, No 9, Peiping,  
8 Sep 1959, pp 23, 24.

JPRS 2068-N

Far East  
Economic (Contd)

Exert Full Enthusiasm, Strive for Greater Leap Forward, by Liu Hsiu-feng, 3 pp.  
CHINESE, per, Chien-chu, No 1, Peiping, 1959, pp 10, 11.

JPRS 1069-D

Selected Translations -- Industry and Raw Materials of Communist China, 13 pp.  
CHINESE, per, Chien-chu, No 1, Peiping, 13 Jan 1959, pp 2, 3, 5, 7, 8, 10, 11; No 4, 28 Feb 1959, pp 28, 29, 31; No 6, 28 Mar 1959, pp 20, 21.

JPRS 1069-D

What Is the Most Suitable Materials Supply System?, by Man Ch'iu, 6 pp.  
CHINESE, per, Chien-chu, No 4, Peiping, 28 Feb 1959, pp 28, 29, 31.

JPRS 1069-D

Problems of Calculating the Rate of Evacuation for Public Building, 11 pp.  
CHINESE, per, Chien-chu Hsueh-pao, No 6, Peiping, 1 Jun 1959, pp 16-18.

JPRS 1001-D

Construction Achievements in Canton During the Past Ten Years, by Lin Ko-ming, 14 pp.  
CHINESE, per, Chien-chu Hsueh-pao, No 8, Peiping, 1959, pp 6-9.

JPRS 2073-N

Developments and Achievements in the Past Ten Years, by Chang Ch'un-lin, 7 pp.  
CHINESE, per, Chien-chu Ts'ai-liao Kung-yeh, No 17, Peiping, 7 Sep 1959, pp 23, 24.

JPRS 2073-N

The Flying Leap-Forward Development of the Pao-t'ou Building Materials Industry, 4 pp.  
CHINESE, per, Chien-chu Ts'ai-liao Kung-yeh, No 17, Peiping, 7 Sep 1959, p 25.

JPRS 2073-N

Congratulatory Wishes on the Opening of the Shanghai Industrial Exhibit, by Ho Kuo-sen, (DC-3229).

CHINESE, per, Chi-hsieh Chih-tsao, No 9, 25 Sep 1959, Shanghai, pp 4-8.

\*JPRS

**Far East  
Economic (Contd)**

Cast Steel High Vessels, by Shih Tsu-wei,  
Chou Mei-ch'ing, (DC-3229).

CHINESE, per, Chi-hsieh Chih-tsao, No 9,  
25 Sep 1959, Shanghai, pp 44-55.

\*JPRS

A Few Important Tasks for the Machine  
Industry During the Last Half of 1959, 5 pp.  
CHINESE, per, Chi-hsieh Kung-yeh Chou-pao,  
No 26, 29 Jun 1959, Peiping, pp 1, 2. Excerpts

JPRS 1001-D

Technical Policy Problem Concerning the  
Manufacture of Thermal-Electric Generating  
Equipment, by Wang Hsin-min, 6 pp.  
CHINESE, np, Chi-hsieh Kung-yeh Chou-pao,  
No 30, 25 Jul 1959, pp 7-9.

JPRS 1061-D

A Report on the Present Technical Management  
of Enterprises, 11 pp.  
CHINESE, np, Chi-hsieh Kung-yeh Chou-pao,  
No 31, 1 Aug 1959, pp 5, 6.

JPRS 1061-D

Several Concepts in Capital Construction  
Planning Work, by Ch'en Tse-min, 4 pp.  
CHINESE, per, Chi-hua Yu T'ung-chi, Peiping,  
No 11, 23 Aug 1959, pp 11, 12.

JPRS 1022-D

A Discussion of Market Survey Research, by  
Pi Ying, 7 pp.  
CHINESE, per, Chi-hua Yu T'ung-chi, No 11,  
Peiping, 23 Aug 1959, pp 22-24.

JPRS 1023-D

An Important Method for Verifying the Quality  
of the "Value of Retail Sales of Social Com-  
modities", by Chang I-keng, 4 pp.  
CHINESE, per, Chi-hua Yu T'ung-chi, No 11,  
Peiping, 23 Aug 1959, pp 25, 26.

JPRS 1023-D

The Question of the Objective of Statistics  
in the Enumeration of Manpower, by Ch'en  
Chih-ho, 7 pp.  
CHINESE, per, Chi-hua Yu T'ung-chi, No 11,  
Peiping, 23 Aug 1959, pp 27-30.

JPRS 1024-D

Far East  
Economic (Contd)

An Opinion Regarding Statistics on Labor  
in the Rural People's Communes, by Huang  
Meng-fan, 7 pp.

CHINESE, per, Chi-hua Yu T'ung-chi, Peiping,  
No 11, 23 Aug 1959, pp 30-32.

JPRS 1024-D

Accounting System in Industry During the  
Past Ten Years, by Chang Hsin-chou, 16 pp.  
CHINESE, per, Ch'i-yeh Hui-chi, No 18,  
Peiping, 29 Sep 1959, pp 3-6.

JPRS 2077-N

The Basic Experiences and Future Direction in  
the Utilization of Native Iron by the Machine  
Industry, 12 pp.

CHINESE, per, Chu-kung, No 5, Peiping, 4 May 1959,  
pp 7-10.

JPRS 1048-D

Follow-Up Fertilization of Cotton, 5 pp.  
CHINESE, per, Chung-kuo Nung-pao, No 11,  
Peiping, 8 Jun 1959, pp 25, 26.

JPRS 1001-D

Conference Affairs, 6 pp.

CHINESE, per, Chung-kuo Tsao-ch'uan, No 3,  
Shanghai, 15 Aug 1959, pp 79, 80.

JPRS 2068-N

The Shipbuilding Industry in the Last Decade,  
(NY-3317).

CHINESE, per, Chung-kuo Tsao-ch'uan, No 4,  
15 Oct 1959, pp 5-15.

\*JPRS

An Introduction to the Ho-p'ing No 49  
Coastal Freighter, by Pien Hsieh-ch'ang,  
(NY-3317).

CHINESE, per, Chung-kuo Tsao-ch'uan, No 4,  
15 Oct 1959, pp 18-39.

\*JPRS

Design of the Chiang-su-hao and the Chin-ling-  
hao Train Ferries, by Kung Hung, K'o Chin-ch'ao,  
(NY-3317).

CHINESE, per, Chung-kuo Tsao-ch'uan, No 4,  
15 Oct 1959, pp 40-60.

\*JPRS

Far East  
Economic (Contd)

Equal-Value Exchange and the Law of Value, by Ho Wei, 17 pp.  
CHINESE, per, Chung-yang Ho-tso T'ung-hsun, No 4, Peiping, 1959, pp 4-8.

JPRS 2077-N

The Function of the Law of Value as Seen From the Production and Circulation of Supplementary Food, by Ch'en Ching-chih, 7 pp.

CHINESE, per, Chung-yang Ho-tso T'ung-hsun, No 4, Peiping, 1959, pp 9, 10.

JPRS 2077-N

Harbin Economic Report for 1958 and 1959, by Lin Hsiao-hsia, 13 pp.

CHINESE, per, Harbin Jih-pao, Harbin, 20 Mar 1959, p 2.

JPRS 2021-N

Several Technical Reforms in the Manufacture of Soda Ash, by Ch'en Pao-ching, 3 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 4, Peiping, 21 Feb 1959, pp 22, 23.

JPRS 1048-D

Diligently Prepare Good Designs to Guarantee Fulfillment of Chemical Construction Plan in 1959, by Feng Pai-hua, 11 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 4, Peiping, 21 Feb 1959, pp 29-35.

JPRS 1048-D

Resolutely Fulfill or Exceed This Year's Production Targets, by P'eng Tao, 8 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 6, Peiping, 21 Mar 1959, pp 1-3, 13.

JPRS 1048-D

Speedily Develop Our Country's Carbon Black Industry, by Li Hsueh-men, 4 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 6, Peiping, 21 Mar 1959, pp 22, 23.

JPRS 1048-D

Problems Regarding the Total Value of Production Norm for the Chemical Industry, by Ku Wei-lin, Chu Ch'eng-K'ang, 4 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 15, Peiping, 6 Aug 1959, pp 35, 36.

JPRS 1079-D

**Far East  
Economic (Contd)**

We Must Accelerate the Development  
of the Chemical Industry, by K'ang Ma,  
3 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No  
16, Peiping, 21 Aug 1959, pp 10, 11.

JPRS 1079-D

A Few Experiences and Ideas on Carbide  
Production, by Hsiung Mo-yuan, 3 pp.

CHINESE, per, Hua-hsueh Kung-yeh, No 16,  
Peiping, 21 Aug 1959, pp 18-21.

JPRS 1079-D

Discussion of Problems of Cotton Fertilization,  
by Hsi Yuan-ling, 5 pp.

CHINESE, per, Hua-tung Nung-yeh K'o-hsueh T'ung-pao, No 6, Nanking, 1 Jan 1959,  
pp 288, 289.

JPRS 1001-D

Report on Discussions of Peanuts by Coarse  
Grain and Oil Materials Unit, 5 pp..

CHINESE, per, Hua-tung Nung-yeh K'o-hsueh T'ung-pao, No 2-3, Shanghai, 1 Mar 1959,  
pp 77, 78.

JPRS 1082-D

Kiangsi 1958 Final and 1959 Draft Budgets,  
by Hsu Kuang-yuan, 11 pp.

CHINESE, np, Kiangsi Jih-pao, 2 Jul 1959,  
pp 1-3.

JPRS 997-D

Enthusiastically Increase the Production  
of Chemical Products, 10 pp.

CHINESE, np, Kirin Jih-pao, Kirin, 6 Mar  
1959, p 2.

JPRS 1079-D

Kirin Province 1958 Final Accounts and  
1959 Draft Budget, by Wang Huan-ju, 17 pp.

CHINESE, np, Kirin Jih-pao, 11 Jun 1959,  
p 3.

JPRS 1994-N

Semiconductors of Sphalerite Structure,  
by Lu Yu-lung, 10 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 16,  
1959, pp 511-513.

JPRS L-1120-N

Far East  
Economic (Contd)

Yang-ch'u-ho No 1 Inclined Shaft Hydraulic  
Mine Shaft Shows High Production, 7 pp.  
CHINESE, per, Mei-k'uang Chi-shu, No 11,  
Peiping, 1 Jun 1959, pp 19-21.

JPRS 1001-D

Research in Multiple Cycle Parallel Over-  
lapping Operations With Regard to Working  
Thin Coal Seams, by Kao Chung-han, Feng  
Hsi-ch'uan, 5 pp.  
CHINESE, per, Mei-k'uang Chi-shu, No 11,  
Peiping, 1 Jun 1959, pp 30, 31.

JPRS 1001-D

Experiences in Conserving Mine Timber by Using  
Substitutes, 23 pp.

CHINESE, per, Mei-k'uang Chi-shu, No 13,  
Peiping, 1 Jul 1959, pp 16, 29-35.

JPRS 1084-D

Great Savings in Mine Timber Through Utili-  
zation of Bamboo, 6 pp.

CHINESE, per, Mei-k'uang Chi-shu, No 15,  
Peiping, 1 Aug 1959, pp 15-17.

JPRS 1084-D

Raise the Red Flag Contest Movement for  
Increasing Production to New Heights, While  
Stressing Economy and Safety, by Ho Ping-  
chang, 4 pp.

CHINESE, per, Mei-t'an Kung-yeh, No 11,  
10 Jun 1959, pp 3-7.

JPRS 1061-D

Regulations Concerning National Red Flag  
Competition of the Railways and Coal Mines  
for "High Quality, High Output, and Increase  
of Quantity and Speed in Transport" (of Coal),  
6 pp.

CHINESE, per, Mei-t'an Kung-yeh, No 12, Peiping,  
25 Jun 1959, pp 2-4.

JPRS 1001-D

Make Best Use of Time and Conscientiously  
Carry Out Production Preparatory Work in  
Coal Mining, 6 pp.

CHINESE, per, Mei-t'an Kung-yeh, No 12,  
Peiping, 25 Jun 1959, pp 6, 7.

JPRS 1001-D

Far East  
Economic (Contd)

The Problem of Fertilization of Cotton  
as Seen in the Great Leap Forward in  
Production of 1958, by Feng Ching, Hsi  
Yuan-ling, 4 pp.

CHINESE, per, Nung-yeh K'o-hsueh T'ung-  
hsun, No 11, Peiping, 6 Jun 1959,  
pp 366, 367.

JPRS 1001-D

Budgets of Communist China -- Peiping 1957  
Final and 1953 Draft Budgets, 18 pp.  
CHINESE, np, Pei-ching Jih-pao, 23 Aug 1958,  
pp 3, 4.

JPRS 1058-D

Report on Work of the Peiping Municipal  
People's Council, by Wan Li, 38 pp.  
CHINESE, np, Pei-ching Jih-pao, Peiping,  
11 Sep 1959, p 5.

JPRS 2039-N

Summary Report on 1958 Final Accounts and  
1959 Draft Budget, by Ch'eng Hung-i, 9 pp.  
CHINESE, np, Pei-ching Jih-pao, Peiping,  
11 Sep 1959, p 5.

JPRS 2039-N

Suggestions of Measures to Increase Cotton  
Output in Shensi Province in 1959, 4 pp.  
CHINESE, per, Shensi Nung-yeh K'o-hsueh,  
No 1, Sian, 10 Jan 1959, pp 8-10.

JPRS 1082-D

The General Conditions of Raising Vegetables  
in Tsinghai Province, 13 pp.  
CHINESE, per, Shensi Nung-yeh K'o-hsueh,  
No 1, Sian, 10 Jan 1959, pp 13-16.

JPRS 1082-D

Report on Investigation of Bumper Harvest  
of Autumn Crops in Kuan-Chung Area of  
Shensi, 3 pp.  
CHINESE, per, Shensi Nung-yeh K'o-hsueh,  
No 1, Sian, 10 Jan 1959, pp 21-25.

JPRS 1082-D

Utilization of Phosphorous Fertilizer in  
Shensi and Observations on Its Expansion,  
4 pp.  
CHINESE, per, Shensi Nung-yeh K'o-hsueh,  
No 2, Sian, 10 Feb 1959, pp 59, 60.

JPRS 1082-D

**Far East**  
**Economic (Contd)**

Close-Planting of Paddy and the Abundant Production of 1958, 4 pp.

CHINESE, per, Shensi Nung-ye K'o-hsueh, No 3, Sian, 20 Mar 1959, pp 110-117.

JPRS 1082-D

Developing Hydrological Work With Great Energy; Within Two Years There Will Be Nation-Wide Reporting Service, by Shui-li Tien-li-pu, Chi-shu Wei-yuan-hui.

CHINESE, per, Shui-li Shui-tien Chien-she, No 6, 1959, p 10.

AMS

A Study of Accomplishments in the Selection of Dam Types for High Dam Pivot Projects and Expansion of Dam Types During the Last Ten Years, by Nieh Chen-wei, (NY-3291).

CHINESE, per, Shui-li Shui-tien Chien-she, No 17, Peiping, 11 Sep 1959, pp 7-13.

\*JPRS

Domestic [Cement] Plasticizers and Their Efficacy, (NY-3291).

CHINESE, per, Shui-li Shui-tien Chien-she, No 17, Peiping, 11 Sep 1959, pp 14-20.

\*JPRS

An Analysis of the Turbulent Water (Kun-shui) Conditions on the Fu-ho, Kiangsi, Chiao-mien Turbulent Water Earth Dam, by Kung T'ung-fu, (NY-3291).

CHINESE, per, Shui-li Shui-tien Chien-she, No 17, Peiping, 11 Sep 1959, pp 28-35.

\*JPRS

Recent Expansion of Hydrological Activity in China, by Ya-sheng Chu, et al, 5 pp.

CHINESE, per, Shui-wen Chi-pen Chih-shih Chiang-hua, 1958, pp 11-14, 18.

AMS

Sinkiang 1957 and 1958 Final Budgets and 1959 Draft Budget, by Liu Tzu-mo, 11 pp.

CHINESE, np, Sinkiang Jih-pao, Urumchi, 1 Feb 1959, p 2.

JPRS 1070-D

**Far East  
Economic (Contd)**

Report on Sinkiang-Uighur Autonomous Region 1959 Economic Plan, by Hsin Lan-t'ing, 13 pp.

CHINESE, np, Sinkiang Jih-pao, Urumchi, 1 Feb 1959, p 2.

JPRS 2066-N

Budgets of Communist China -- Shantung 1958 Final and 1959 Draft Budgets, by Li Yu-ang, 6 pp.

CHINESE, np, Ta-chung Jih-pao, 24 May 1959, Tsinan, p 2.

JPRS 985-D

A Few Thoughts on the Direction of China's Electric Welding Equipment, 8 pp.

CHINESE, per, Tien-chi Kung-yeh, No 9, Peiping, 10 May 1959, pp 6-8.

JPRS 1048-D

An Evaluation of a Complete 25,000-Kilowatt Steam Turbogenerator Including Boiler, Turbine, and Generator, 5 pp.

CHINESE, per, Tien-chi Kung-yeh, No 11, Peiping, 10 Jun 1959, pp 4, 5.

JPRS 1001-D

An Evaluation of a 25,000-Kilowatt Steam Turbogenerator, 4 pp.

CHINESE, per, Tien-chi Kung-yeh, No 11, Peiping, 10 Jun 1959, pp 6, 7.

JPRS 1001-D

Experiences in Precision Casting Steam Turbine Blades, by He Hsueh-jen, 6 pp.

CHINESE, per, Tien-chi Kung-yeh, No 11, Peiping, 10 Jun 1959, pp 14-16.

JPRS 1001-D

Successfully Implement the Continuing Leap Forward Program of the Electrical Equipment Industry in 1959, 3 pp.

CHINESE, per, Tien-chi Kung-yeh, No 14, 25 Jul 1959, pp 1, 2.

JPRS 1061-D

Problems in Research and Production of Electrical Equipment for the Tropical Zone of China, by Ho Hsiao-ning, 8 pp.

CHINESE, per, Tien-chi Kung-yeh, No 15, 14 Aug 1959, pp 11-13.

JPRS 1061-D

Far East  
Economic (Contd)

Enterprises Directly Under Mukden Oppose  
Rightist Thinking, Stimulate Effort,  
and Enthusiastically Pursue increase-  
Production Practice-Economy Mass, 6 pp.  
CHINESE, per, Tien-chi Kung-yeh, No 17,  
Peiping, 10 Sep 1959, pp 9, 10.

JPRS 2068-N

Observations on the Electrical Exhibits  
in the Machinery Section of the All-China  
Industry and Transportation Exhibition, 10 pp.  
CHINESE, per, Tien-chi Kung-yeh, No 17,  
Peiping, 10 Sep 1959, pp 19, 21-23.

JPRS 2068-N

Metallurgical Construction in China, (NY-3255).  
CHINESE, per, Yeh-chin Chien-she, No 12,  
Apr 1959, pp 9-19.

\*JPRS

An Experiment in Processing White Tungsten  
(Schoelite) Concentrates With Hydrochloric  
Acid, by Chen Yuan-chien, 4 pp.  
CHINESE, per, Yu-se Chin-shu, No 2, Peiping,  
18 Jan 1959, pp 5-7.

JPRS 1048-D

A Small Copper Ore Dressing Plant Built  
and Put Into Operation in Only 21 Days,  
9 pp.  
CHINESE, per, Yu-se Chin-shu, No 3,  
Peiping, 18 Feb 1959, pp 4-6.

JPRS 1080-D

A Method to Remove and Recover Zinc From  
Lead Concentrate, by T'ien Shih-chieh,  
6 pp.  
CHINESE, per, Yu-se Chin-shu, No 14,  
25 Jul 1959, pp 14-16.

JPRS 1080-D

Granular Flotation of Bismutospherite,  
6 pp.  
CHINESE, per, Yu-se Chin-shu, No 14,  
25 Jul 1959, pp 17, 18.

JPRS 1080-D

Small Scale Horizontal Converter to Blow  
Copper Matte Into Blister Copper, by  
Chang Lan-tzu, 7 pp.  
CHINESE, per, Yu-se Chin-shu, No 14,  
25 Jul 1959, pp 21-28.

JPRS 1080-D

Far East  
Economic (Contd)

Banking System of People's Republic  
of China, 4 pp.

GERMAN, monograph, Volksrepublik  
China-ein Wirtschaftlicher Ueberblick,  
Dresden, Jul 19<sup>59</sup>, pp 41-44.

JPRS 1983-N

Information for Tourists in Communist China,  
11 pp.

GERMAN, monograph, Volksrepublik China-ein  
Wirtschaftlicher Ueberblick, Dresden, Jul  
1959, pp 100-109.

JPRS 1984-N

Disposition of Native Blast Furnaces in  
Communist China, by Yutaka Fukushima, 14 pp.  
JAPANESE, per, Ajia Keizai Jumbo, No 407,  
Tokyo, 10 Sep 1959, pp 4-13, 18.

JPRS 1066-D

Agricultural Production in China During the  
First Half of 1959, by Kenji Asakawa,  
(NY-3254).

JAPANESE, per, Ajia Keizai Jumbo, No 408,  
Tokyo, 20 Sep 1959, pp 1-8.

\*JPRS

Trip to the Chinese Hinterlands, by Marukawa  
Tatsuo, 10 pp.  
JAPANESE, np, Asahi Shimoun, 3-8 Dec 1959.

USACRAPAC (F) PD  
101067 (la)

Change in the Structure of Labor in New China,  
by Gen Mitsuoka, 31 pp.

JAPANESE, per, Chugoku Shiryo Geppo, No 137,  
Tokyo, 20 Jul 1959, pp 1-26.

JPRS 2059-N

China Walking on Her Own Two Feet, by  
Hashimoto, 5 pp.  
JAPANESE, np, Sankei Shimbun, 3-6 Dec 1959.

USACRAPAC (F) PD  
101068 (la)

Situation in Siberia and Far East, 4 pp.  
JAPANESE, per, Tairiku Mondai, Oct 1959.

USACRAPAC (F)  
100622

15 Years of the State University, (DC-3215).  
MONGOLIAN, monograph, Erdem Shinjilgeenii  
Bichig, Vol IV, No 2 (10), 1957, Ulan  
Bator, pp 3-6.

\*JPRS

**Far East  
Economic (Contd)**

Problems of Agricultural Cooperatives in Outer Mongolia, by Sh. Bat-Ochir,  
(DC-3215).

MONGOLIAN, monograph, Tuuh-Ediin Dzasag,  
Ulan Bator, 1957, pp 187-205.

\*JPRS

Today's Role in Strengthening the Organization of Agricultural Cooperatives, by Sh. Sharabjalsan, (DC-3215).

MONGOLIAN, monograph, Oyuutan Mariin Erdem Shinjilgeenii Ajliin Emhtgel, Ulan Bator, 1957, pp 45-51.

\*JPRS

Description of the New Port of Tang-ku, by Yen Kai, 16 pp.

POLISH, per, Technika i Gospodarka Morsak, Vol IX, No 7/8, Gdynia, 1959, pp 231-234.

JPRS 2002-N

The Great Economic and Cultural Forward Surge of China, by I. Iyga, V. Piciorus, 12 pp.

RUMANIAN, per, Lupta de Clasa, No 10, Bucharest, 1959, pp 74-82.

JPRS L-1966-D

International Transport -- Peoples Republic of China, by A. I. Il'yin, M. P. Voronichev, (DC-3258).

RUSSIAN, monograph, Zheleznodorozhn'iy Transport Kitayskoy Narodnoy Respubliky, 1959, pp 1-163.

\*JPRS

The Chinese Iron and Steel Industry During 1958, by B. V. Lenskiy, 7 pp.

RUSSIAN, per, Byul Tekh-Ekon Informatsiy, No 6, 1959, pp 73-76.

LLJ Tr Bul Nov 1959

Achievements of the People's Republic of China in the Fields of Labor and Wages During Ten Years, by V. Gel'bras, (DC-3268).

RUSSIAN, per, Sotsialisticheskiy Trud, No 9, 1959, pp 27-38.

\*JPRS

**Far East  
Economic (Contd)**

The Economics of Countries of People's Democracy in 1958, by V. Vladimirskaia,  
5 pp.  
RUSSIAN, per, Vest Statistiki, No 4,  
1959, pp 51-54.

LLU Tr Bul Nov 1959

The Development of Science and Engineering in the Korean People's Republic, 13 pp.  
RUSSIAN, per, Vest Svyazi, No 11, 1958,  
pp 32-34.

ACSI, H-4950

Exports of Animal Husbandry Products From the Mongolian People's Republic, by S. Karpin, 9 pp.  
RUSSIAN, per Vnesh Torg, No 12, 1958,  
pp 23-26.

JPRS 2040-N

Engineering Specifications for Planning Railroads in the People's Republic of China, by B. V. Yakovlev, 8 pp.  
RUSSIAN, per, Zheleznodorozhnyy Transport, No 3, 1959, pp 82-84.

JPRS 2095-N

Growing Importance of the State-Owned Trading Corporation With Regard to the People's Economy, by Vu Dinh Dai, 7 pp.  
VIETNAMESE, np, Doc Lap, No 408, Hanoi,  
4 Apr 1959, pp 6, 7.

JPRS 2000-N

Cooperativization of Small Merchants Is an Urgent Necessity, by Truc Ky, 4 pp.  
VIETNAMESE, np, Nhan Dan, No 1904, 2 Jun 1959,  
p 3.

JPRS 2000-N

Export Is a Source of Benefit to All People, by Xuan Kien, 5 pp.  
VIETNAMESE, np, Nhan Dan, Hanoi, 15 Jun 1959,  
No 1915, p 3.

JPRS 2000-N

Market Places in Haiphong Are Undergoing Changes, by Mai, 5 pp.  
VIETNAMESE, np, Thoi Moi, No 1916, Hanoi,  
17 Apr 1959, p 3.

JPRS 2000-N

Far East  
Economic (Contd)

Minister of Domestic Trade Muoi's Speech  
to the National Assembly, 4 pp.  
VIETNAMESE, np, Thoi Moi, Hanoi, No 1964,  
5 Jun 1959, p 1.

JPRS 2000-N

Provisional Decree on Cooperativization  
of Small Merchants, Pedlars and Retailers,  
by Pham Van Dong, 12 pp.  
VIETNAMESE, np, Thu Do Hanoi, No 124,  
Hanoi, 8 May 1959, p 3.

JPRS 2000-N

Political

Proportional Development, by Chiang Ch'uan-  
liu, 5 pp.  
CHINESE, per, Cheng-chih Hsueh-hsi, No 13,  
Peiping, 12 Jul 1959, pp 1-5, 8, 9.

JFRS 2011-N

Why Rightist Opportunist Ideology Is an  
Important Danger at the Present Time, by  
Chao Hsi, 5 pp.  
CHINESE, per, Cheng-chih Hsueh-hsi, No 18,  
Peiping, 27 Sep 1959, pp 39-42.

JPRS 2060-N

Table of Contents of Volumes VI and VII of  
"Treaties of the People's Republic of China -  
1957, 1958", 16 pp.  
CHINESE, per, Chung-hua Jen-min Kung-ho-kuo  
T'iao-yueh-chi, Ti Lu Chi, Ti Chi Chi, Vol.  
IV, VII, Peiping, 1957-1958, pp 1-13, 1-8.

JPRS 1002-D

Significant National-International Develop-  
ments During 1-15 September 1959, 135 pp.  
CHINESE, per, Hsin-hua Pan-yueh-k'an, No 18,  
Peiping, 27 Sep 1959, pp 187-189.

JPRS 1081-D

Significant National-International Develop-  
ments During 16-31 August 1959, 199 pp.  
CHINESE, per, Hsin-hua Pan-yueh-k'an, No 17,  
12 Sep 1959, pp 183-185.

JPRS 1059-D

**Far East  
Political (Contd)**

Current Digest of Communist China  
(1-15 Oct 1959), (DC-3503/9).

CHINESE, per, Hsin-hua Pan-yueh-k'an,  
No 20, 27 Oct 1959, pp 181-183.

\*JPRS

Standing in the Foremost Front Line of  
the Mass Movements of the Revolution,  
4 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep  
1959, pp 20, 21.

JPRS 1057-D

Be Enthusiastic Toward Mass Movements,  
3 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep  
1959, pp 23, 24.

JPRS 1057-D

The Shih-t'an Commune Conquers Flood Dis-  
asters, by Tu Tac-chung, 10 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep 1959,  
pp 26-31.

JPRS 1057-D

The P'o-hu Commune Obtains a Rich Harvest  
in the Midst of Drought, by Chang Li-chung,  
6 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep  
1959, pp 31-34.

JPRS 1057-D

Continue to Go All Out, Further Develop  
the Contact and Bridge Functions of  
Commerce, by Chou Chung-fu, 16 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep  
1959, pp 35-41.

JPRS 1057-D

Use Creative Labor to Teach Marxist-  
Leninist Lessons, by Hsu Erh, 13 pp.

CHINESE, per, Hung-chi, No 18, 16 Sep  
1959, pp 49-56.

JPRS 1057-D

The Correct Life for Upholding the People's  
Democratic Dictatorship, by Chang Ting-  
cheng, 12 pp.

CHINESE, per, Hung-chi, No 20, Peiping,  
16 Oct 1959, pp 31-38.

JPRS 1067-D

**Far East**  
**Political (Contd)**

Human Beings Have Been Transformed, by Ma Hsi-wu, 10 pp.  
CHINESE, per, Hung-chi, No 20,  
16 Oct 1959, Peiping, pp 38-44.

JPRS 1067-D

Ten Years in Which Marxism Showed Its Glory, 3 pp.  
CHINESE, per, Hung-chi, No 20,  
16 Oct 1959, Peiping, pp 45-47.

JPRS 1067-D

Maintain the Policy of the Primacy of Politics, by Chen Pei-hsien, 4 pp.  
CHINESE, per, Hung-chi, No 20, Peiping,  
16 Oct 1959, pp 47-49.

JPRS 1067-D

A Model for Carrying Out Construction Greater, Better, Faster, and More Economically, by Chao P'eng-feng, Li Ch'en,  
(DC-3502/11).  
CHINESE, per, Hung-ch'i, No 21, Peiping,  
1 Nov 1959, pp 30-37.

\*JPRS

Abstracts From the Party Organs of the Various Localities, (DC-3502/11).  
CHINESE, per, Hung-ch'i, No 21, Peiping,  
1 Nov 1959, pp 38-49.

\*JPRS

The Problem of Studying Theory and Philosophy by Farmers, Workers and Basic-Level Cadres, by Hu Nan, 7 pp.  
CHINESE, per, Li-lun Chan-hsien, No 4,  
Wu-ch'ang, 10 Apr 1959, pp 28-30.

JPRS 2011-N

The Problem of the Nature of Present Society, by Liu Chin-ch'i, 6 pp.  
CHINESE, per, Li-lun yu Shih-chien,  
No 2, 1959, pp 21-24.

JPRS 2011-N

High Speed Development of Socialist Economy and Its Relation to Planned Proportions, by Sung Fu-hui, 6 pp.  
CHINESE, per, Li-lun yu Shih-chien, No 4,  
Peiping, 15 Apr 1959, pp 8-12.

JPRS 2011-N

Far East  
Political Contd:

The Solution In Accordance With the Law of Contradiction of the Problems Existing in the Thorough Implementation of the Principle of "Combining Education With Productive Labor", by Pan Mou-yuan, 8 pp.

CHINESE, per, Lun-tan, No 2, Amoy, 1959, pp 5, 16, 17.

JPRS 2060-N

Do Not Allow Motherland Unity and Nationality Solidarity To Be Shattered, by Hsi-jac-chia, 9 pp.

CHINESE, per, Min-tzu Tuan-chieh, No 5, Peiping, 1959, pp 5-8.

JPRS 1030-D

Strive for an Even Greater Leap Forward in Yen-Pien, by Chu Te-hai, 4 pp.

CHINESE, per, Min-tzu Tuan-chieh, No 5, Peiping, 1959, p 23.

JPRS 1030-D

The New Look of the Kan-Tzu Tibetan Autonomous Chou Following Democratic Reform, by Lu Chou-chi, 11 pp.

CHINESE, per, Min-tzu Yen-chiu, No 5, 1959, pp 1-6.

JPRS 1030-D

An Investigation of the Rural District of the Gyantze Area of Tibet, by Chi Chun, 23 pp.

CHINESE, per, Min-tzu Yen-chiu, No 5, Peiping, 1959, pp 7-18.

JPRS 1030-D

Research in the Title, Position and Powers of the Dalai Lama, by Wei Kuo, 15 pp.

CHINESE, per, Min-tzu Yen-chiu, No 5, Peiping, 1959, pp 21-28.

JPRS 1030-D

The Ho-che Nationality on the San-chiang Plain, by Wang Ping-yu, 10 pp.

CHINESE, per, Min-tzu Yen-chiu, No 5, Peiping, 1959, pp 44-48.

JPRS 1030-D

Far East  
Political (Contd)

Friendship, Peace, and Cultural Exchange, by P'an Lang, 10 pp.  
CHINESE, per, Shih-chieh Chih-shih, No 18, Peiping, 20 Sep 1959, pp 13-15.

JPRS 2060-N

Editorial Reaction in Bombay Consular District to Debate on Tibet Resolution in United Nations General Assembly, 12 pp.  
HIMDI, np, 22-24 Oct 1959, Encl 1-7 to Desp No 279, Amconsul, Bombay, 4 Nov 1959.

Dept of State  
4402201

The Ways and Means of Solving Social Contradictions in the Chinese People's Republic, by Gyorgy Fukasz, 22 pp.  
HUNGARIAN, per, Magyar Filozofiai Szemle, Vol III, No 1, 2, Budapest, 1959, pp 114-126.

JPRS 1992-N

The Indonesian Concept of Guided Democracy, by J. K. Tumakaka, (DC-3232).  
INDONESIAN, monograph, Demokrasi Terpimpin, Djakarta, 1959, pp 26-56.

\*JPRS

Pull Up the Roots of the Evils of Sectarianism and Familyism and Let Us Continue the Struggle to Establish the Mass Revolutionary Viewpoint, by Kim Pyong-nin, 7 pp.  
KOREAN, np, Nodong Sinmun, P'yongyang, 1 Aug 1959, p 2.

JPRS 1045-D

Let Us Establish the Party Ideological System Among the Workers and Not Use Old Forms in Party Ideological Work, by Chong Yong, 8 pp.  
KOREAN, np, Nodong Sinmun, P'yongyang, 2 Aug 1959, p 2.

JPRS 1045-D

To Eliminate the Evils of Localism and Familyism and to Establish the Party Ideological System, by Chang Kil-chun, 6 pp.  
KOREAN, np, Nodong Sinmum, P'yongyang, 3 Aug 1959, p 2.

JPRS 1045-D

Far East  
Political (Contd)

Theory Must Coincide With Actuality  
in Political Training of the Army,  
by Le Hien Mai, 6 pp.  
VIETNAMESE, np, Nhan Dan, No 1907,  
5 Jun 1959, p 3.

JP RS 2045-N

Party Leadership in Political Training,  
by Dao Duy Can, 5 pp.  
VIETNAMESE, np, Nhan Dan, No 1943,  
Hanoi, 11 Jul 1959, p 3.

JP RS 2045-N

Significance of Political Training of  
the Army in 1959, by Le Chuong, 6 pp.  
VIETNAMESE, np, Quan Doi Nhan Dan, No 564,  
7 Apr 1959, pp 2, 3.

JP RS 2045-N

Military

Light and Ingenious Tools; How to Take  
Care of Tents, 3 pp.  
CHINESE, per, Chieh-fang Chun Chan-shih,  
pp 33, 35.

ACSI, H-4967

Procedure of the Army Medical Survey  
Committee, 24 pp. (ID 2119782)  
INDONESIAN, rpt, Panitia Pengudji Badan  
Tentara, No 6601, Tjetakan Kedua Tahun,  
1956.

ACSI, H-4998

Provisional Army Physical Examination  
Regulation, 61 pp. (ID 2119782)  
INDONESIAN, rpt, Peraturan Ujian Badan  
Angkatan Darat Sementara No 6602,  
Tjetakan Kedua Tahan Kementerian Perta-  
hanan Staf Angkatan Darat 1957.

ACSI, H-4980

A. Focal Point of Defense of Our Country;  
B. Development of Electronic Industry and  
Its Relation to Military Affairs; C. Trends  
of Fire Control System and Hopes for Electronic  
Industry, 47 pp. (ID 2082716)  
JAPANESE, per, Weapons and Techniques, No 5,  
1958, pp 1, 2, 42-72.

ACSI, H-2624

**Far East**  
**Military (Contd)**

However Long the String Might  
Be, by B. Aleksandrov, 4 pp.  
RUSSIAN, np, Krasnaya Zvezda,  
30 Aug 1959, p 4.

AF 1256192

**Geographic**

Hydrography of the Rivers in Communist China,  
by Kuo Ching-hui, 39 pp.  
CHINESE, per, Ti-li Chih-shih, Vol IX, No 2,  
3, Peiping, Feb/Mar 1958, pp 49-53, 109-114.

JPRS 2027-N

Outlook for Water Conservancy Development  
in North Kiangsu, by Hsu Chih-ch'an, 16 pp.  
CHINESE, per, Ti-li Chih-shih, Peiping,  
14 Feb 1958, pp 53-57.

JPRS 2026-N

T'eng-ko-li Desert, 19 pp.  
CHINESE, per, Ti-li Chih-shih, Vol IX, No 12,  
Peiping, 1958, pp 539-543.

JPRS 2076-N

T'ao Ho Project, by Li P'ai-fu, 12 pp.  
CHINESE, per, Ti-li Chih-shih, Vol IX, No 12,  
1958, pp 547-549.

JPRS 2075-N

Foreword and Introduction, by V. M. Sinitsyn,  
(DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya, Moscow,  
1959, pp 3-10.

\*JPRS

Water, Geomorphology, Quaternary Deposits,  
Soils, Vegetation, Animal Life, and Mineral  
Resources, by V. M. Sinitsyn, (DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya, Moscow,  
1959, pp 43-122.

\*JPRS

Eastern Tien Shan, Tarim, Gobi, by V. M.  
Sinitsyn, (DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya Moscow,  
1959, pp 151-254.

\*JPRS

Far East  
Geographic (Contd)

Dzengaria, by V. M. Sinitsyn, (DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya, Moscow,  
1959, pp 276-309.

\*JPRS

Nan-Shan, Western K'un-lun, by V. M.  
Sinitsyn, (DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya,  
Moscow, 1959, pp 368-425.

\*JPRS

Conclusion, by V. M. Sinitsyn, (DC-3259).  
RUSSIAN, bk, Tsentral'naya Aziya, Moscow,  
1959, pp 448, 449.

\*JPRS

Sociological

The Great Victories of the Socialist  
Revolution in China, by Vasil Ivanov,  
13 pp.  
BULGARIAN, per, Novo Vreme, No 10, Sofia,  
1959, pp 41-50.

JPRS 1037-D

The Tremendous Life Force of People's Com-  
munes, by Lin Yin, 6 pp.  
CHINESE, per, Cheng-chih Hsueh-hsi, No 17,  
Peiping, 12 Sep 1959, pp 29-34.

JPRS 2060-N

Viewing the Superiority of the People's  
Commune From Three Levels of Ownership,  
by Chao Yu-fu, 5 pp.  
CHINESE, per, Cheng-chin Hsueh-hsi, No 18,  
Peiping, 27 Sep 1959, pp 24-27.

JPRS 2060-N

How We Led the Students in Their Studies,  
10 pp.  
CHINESE, per, Chung-kuo Ch'ing-nien, No 13,  
1 Jul 1959, pp 6-9.

JPRS 2011-N

Family and Liberation of Women, by Kao Jao-  
kuang, Kao Cheng-chien, 3 pp.  
CHINESE, per, Fen-tou, No 5, 5 Mar 1959,  
pp 23, 24.

JPRS 2011-N

Far East  
Sociological (Contd)

Liberation of Women as Seen From  
Collective Living, by Wang Ai-chu,  
7 pp.  
CHINESE, per, Fu-tan, No 4, 1959,  
pp 15-18.

JPRS 2011-N

Start Half-Work, Half-Study Schools Every-  
where, 3 pp.  
CHINESE, np, Hopeh Jih-pao, 8 Nov 1958, p 3.

JPRS 1035-D

Some Questions on the Common Sense of  
Buddhism, by Yin Shui, (DC-3203).  
CHINESE, per, Hsien-tai Fo-hsueh, No 8,  
1959, pp 7-16.

\*JPRS

How to Study Population Problems, 3 pp.  
CHINESE, per, Hsin Chien-she, No 4, 1959,  
pp 4, 5.

AID/SIR 3084

Bad Effects of Early Marriage, 3 pp.  
CHINESE, np, Jen-min Jih-pao, 14 Mar 1957,  
p 3.

AID/SIR 3087

Social Reforms in Minority Areas in China,  
10 pp.  
CHINESE, np, Jen-min Jih-pao, Peiping,  
15 Aug 1959, p ?.

JPRS 984-D

Chinese Communist Educational Policy,  
(DC-3245).  
CHINESE, np, Jen-min Jih-pao, 23 Oct.-  
4 Nov 1959.

\*JPRS

Psychology in Communist China -- Discussions  
on Haeckel's View of Truth, 3 pp.  
CHINESE, np, Kuang-ming Jih-pao, 24 May 1959,  
p 5.

JPRS 1017-D

Psychology in Communist China, -- Research  
on Lao-tzu, 13 pp.  
CHINESE, np, Kuang-ming Jih-pao, 24 May 1959,  
p 5.

JPRS 1017-D

**Far East  
Sociological (Contd)**

Psychology in Communist China --  
Theoretical Problems of Psychology  
in the Current Class Struggle, 5 pp.  
CHINESE, np, Kuang-ming Jih-pao,  
29 May 1959, p 3.

JPRS 1017-D

Psychology in Communist China -- On the  
Class Nature of Human Psychology, 15 pp.  
CHINESE, np, Kuang-ming Jih-pao, 23 Jun  
1959, p 3.

JPRS 1017-D

Psychology in Communist China -- Is Lao-  
tzu's Tao Materialism or Idealism?, by  
Chou Chien-jen, 4 pp.  
CHINESE, np, Kuang-ming Jih-pao, 29 Jun  
1959, p 3.

JPRS 1017-D

Psychology in Communist China -- On  
Objects of Study in Psychology, 4 pp.  
CHINESE, np, Kuang-ming Jih-pao, 13 Jul  
1959, p 3.

JPRS 1017-D

Southern Kweichow Industries Activity  
Growing, 3 pp.  
CHINESE, np, Kung-jen Jih-pao, Peiping,  
3 Apr 1959, p 2.

JPRS 984-D

Several Problems Relating to the Thorough  
Implementation of the Class Line and the  
Elevation of the Quality of Study by  
Worker and Peasant Students, by Li Fa-hsi,  
Huang Pi-chin, 17 pp.  
CHINESE, per, Lun-t'an, No 2, Amoy, 1959,  
pp 21-25.

JPRS 2060-N

Several Problems in the Liang-Shan Region's  
Struggle Against the Family-Branch System,  
by Wu Ching-hua, 6 pp.  
CHINESE, per, Min-tzu Tuan-chieh, Peiping,  
No 5, 1959, pp 28, 29.

JPRS 1030-D

**Far East  
Sociological (Contd)**

The Great Solidarity of the Nationalities, by Hsieh Fu-min, (DC-3204).

CHINESE, per, Min-tzu T'uan-chieh, No 10,  
6 Oct 1959, pp 30-35.

\*JPRS

Problems About the Training of Cadres From the Minority Peoples, by Hu Chun, (DC-3204).

CHINESE, per, Min-tzu Yen-chiu, No 10,  
4 Oct 1959, pp 19-26.

\*JPRS

Great Achievements of the Nationalities Cultural and Educational Work in the Past

10 Years, by Chang Yang-wu, (DC-3204).

CHINESE, per, Min-tzu Yen-chiu, No 10,  
4 Oct 1959, pp 27-35.

\*JPRS

Further Apply the Party Educational Aim,  
3 pp.

CHINESE, np, Nan-fang Jih-pao, 16 May 1959,  
p 1.

JPRS 1035-D

Inner Mongolian Lamas Advancing, 3 pp.

CHINESE, np, Nei Meng-ku Jih-pao, Hu-ho-hao-te, 16 Nov 1958, p 3.

JPRS 984-D

Report of Chief Problems of Policy in Our Present Task, 7 pp.

CHINESE, np, Tibet Jih-pao, Lhasa, 5 Jul 1959, p 2.

JPRS 984-D

Critique of Wang Ya-nan's "Marxist Theory of Population and China's Population,"

3 pp.

CHINESE, per, Tu-shu Yueh-pao, No 5, 1957,  
pp 1, 2.

AID/SIR 3083

Basic Approach for Linking Theory With Reality in Teaching, 7 pp.

CHINESE, np, Wen Hui Pao, 29 Jul 1959, p 2.

JPRS 1035-D

Shanghai Education Flies Forward, 3 pp.

CHINESE, np, Wen Hui Pao, 19 Sep 1959, p 1.

JPRS 1035-D

**Far East  
Sociological (Contd)**

China's Leap Backward, 8 pp.  
GERMAN, np, Neue Zuercher Zeitung,  
Zurich, 12 Sep 1959, p 4.

JPRS 1068-D

Improving Quality of Works and Publications, 6 pp.  
KOREAN, per, Choson Kija, No 1,  
P'yongyang, 1959, pp 3-5.

JPRS 2074-N

Communist Culture and News Reporting,  
by Li Hung-duk, 5 pp.  
KOREAN, per, Choson Kija, No 3, P'yongyang,  
1959, pp 20-23.

JPRS 2074-N

Provincial Daily Newspapers Should Not Handle Problems Affecting South Korea in a Flippant Manner, by Ph Hong-t'ek, 6 pp.

KOREAN, per, Choson Kija, No 4, P'yongyang, 1959, pp 44-46.

JPRS 2074-N

Integrating Communist Culture With Actual Life, by Pak Chun-mo, 7 pp.  
KOREAN, per, Choson Kija, No 5, P'yongyang, 1959, pp 5-7.

JPRS 2074-N

Promote the Role of Educational Administrators in Preparation for the Inauguration of the Compulsory Technical Education System, by O Sang-kyun, 6 pp.

KOREAN, per, Inmin Kyoyuk, No 5, P'yongyang, 1959, pp 11-13.

JPRS 2074-N

Technical Rehabilitation of Rural Management and the Role of Teachers in the Field of Higher and Technical Education, by Yang Yong-kwon, 7 pp.  
KOREAN, per, Kodung Mit Kisul Kyoyuk, No 1, P'yongyang, 1959, pp 22-24.

JPRS 2074-N

In Protest to the Liberalistic Tendencies Among a Few Intelligentsia, by Kwon Ui-sik, 7 pp.

KOREAN, per, Kodung Mit Kisul Kyoyuk, No 1, P'yongyang, 1959, pp 41-43.

JPRS 2074-N

**Far East**  
**Sociological (Contd)**

Immediate Duties of General Education  
and Cultural Programs, by Nguyen Van  
Huyen, 8 pp.

VIETNAMESE, np, Nhan Dan, No 1938,  
6 Jul 1959, p 3.

JPRS 1053-D

Educational Development in Autonomous  
Zones, by Nguyen Khanh Toan, 8 pp.

VIETNAMESE, np, Nhan Dan, No 1970, Hanoi,  
7 Aug 1959, p 3.

JPRS 1053-D

The Polytechnic University on the Road of  
Modernization, by Van Trong, 3 pp.

VIETNAMESE, np, Nhan Dan, No 1996, Hanoi,  
2 Sep 1959, p 4.

JPRS 1053-D

Education in the North During Past Years,  
by Nguyen Van Huyen, 8 pp.

VIETNAMESE, np, To Quoc, No 134, Hanoi,  
1 Sep 1959, pp 6-8, 28.

JPRS 1053-D

New Cultural Advances, by Hoang Minh Giam,  
6 pp.

VIETNAMESE, np, To Quoc, 1 Sep 1959,  
pp 9-12.

JPRS 1053-D

WESTERN EUROPE

Economic

1957 Annual Report of the Institute of Technology in Darmstadt, by Walter Brecht, 14 pp.  
GERMAN, rpt, 1958.

AF 1265991

Type Approval Tests Started With the Agusta-Bell 102; Visit Paid to Cascina Costa, by Leston P. Faneuf, Harvey Gaylord.  
ITALIAN, per, Ala Rotante, No 1/2, pp 3-13.

ACSI, H-6088

The Ten-Seater Agusta-Bell 102 at Paris, 3 pp.  
ITALIAN, per, Ala Rotante, Jun/Jul 1959, p 81.

ACSI, H-5279

Law of 24 July 1959. Ship Scrap Subside (Demolition and Replacement Plan for Merchant Ships), 6 pp.  
ITALIAN, per, Gazzetta Ufficiale, 19 Aug 1959. Maritime Admin

Railroads, by Henrique Galvao, Carlos Selvagem, 9 pp.  
PORTUGUESE, per, Imperio Ultramarino Portugues, Vol III, 1952, pp 282-290.

AMS

The VIIIth International Towing Tank Conference, Madrid, 15-23 September 1957.  
SPANISH, per, Information Bulletin, publ by Ministerio de Marina, Canal de Experiencias Hidrodinamicas, El Pardo, Madrid, Nov 1957. Navy 2381/DTMB 289

Water Power and Log Dumping.  
SWEDISH, bk, Vattenkraft Och Virkesavlaggning, Chap II, pp 3-39.

ACSI, H-5018

Western Europe  
Political

FIR International Conference on "The Resistance and the New Generations," by Renato Bertolini, (DC-3233).  
FRENCH, rpt, 1959.

\*JPRS

The Workers' Struggle for an Anti-Monopoly Government (Report of National Secretary Burnelle to Meeting of Central Committee of Communist Party of Belgium Brussels, 10-11 Oct 1959), 23 pp.  
FRENCH, np, Le Drapeau Rouge, Brussels, 15 Oct 1959, pp 3, 4.

JPRS 1072-D

Appraisal of Vienna World Youth Festival, by V. Z., 11 pp.  
ITALIAN, rpt, 1959, 10 pp.

JPRS L-1940-D

Activities Report of the Central Committee of the Italian Communist Party in Preparation for IXth Congress (Activities Report of the Central Committee), (DC-3801/6).  
ITALIAN, np, L'Unita, Rome, 12 Nov 1959, pp 7-11.

\*JPRS

Military

Armored Personnel Carriers, by F. van Pelt, J. D. Backer, 11 pp.  
DUTCH, per, De Militaire Spectator, No 7, 1959, pp 265-272.

ACSI, H-4970

Army Helicopters at Casarsa.  
ITALIAN, per, Ala Rotante, No 1/2, pp 26-28.

ACSI, H-6088

Defense Food Rationing (Subsistence in the Armed Forces).  
NORWEGIAN, per, Norges Forsvar-Utgitt av Norges Forsvarsforening, No 1, 1959, pp 13-15.

ACSI, H-5004

Western Europe  
Military (Contd)

Decree Law No 42:193. Physical Inaptitude  
and Incapacity for Naval Service, 32 pp.  
PORTUGUESE, per, Diario do Governo, No 68,  
26 Mar 1959.

Navy/ONI 5081789

Bundeswehr Changes Over to the Atomic Organi-  
zation of Divisions, 3 pp.  
RUSSIAN, np, Soviet Patriot, 29 Jul 1959, p 4.

AF 1256048

Geographic

Various Small Articles, by J. Despois.  
FRENCH, per, Geographie Humaine, Paris, 1946,  
pp 55-59, 92-98, 116-118, 211-227.

AMS

LATIN AMERICA

Political

How the Communist Party of Venezuela Views  
the Present Situation, by Pompeyo Marquez,  
18 pp.

SPANISH, per, Estudios, Vol IV, No 12,  
Montevideo, Sep 1959, pp 71-81.

JPRS 1072-D

Military

Control of Search and Rescue Operations in  
Uruguay, 8 pp.

SPANISH, rpt, 1959.

AF 1253160

Sociological

General Insurance Company (Work Accident  
Insurance), 11 pp.

SPANISH, rpt, La Industrial (Compania de  
Seguros Generales - Seguro Colectivo  
Sobre Accidentes del Trabajo), Nov 1957,  
Chilean Shipping Co.

Maritime Admin

SCIENTIFIC

Aeronautics

Planning and Design of Helicopters, by  
Ivan P. Bratukhin, 389 pp.  
RUSSIAN, bk, Proyektirovaniye i Konstruktsii  
Vertoletov, 1955, 360 pp.

ATIC F-TS-9692/V

Calculation of the Flight Characteristics  
of Supersonic Aircraft With Turbojet Engines,  
by V. B. Lebedev, 15 pp.  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy,  
Aviatsionnaya Tekh., No 4, 1958, pp 22-29.  
9044224

RAND Corp T-120

Hypersonic Velocity Aircrafts.  
RUSSIAN, np, Krasnaya Zvezda,  
3 Dec 1959, p 4.

\*AID

Peculiarities of Piloting "Trener-226"  
Aircraft, 4 pp.  
RUSSIAN, per, Kryl'ya Rodiny, No 7, 1959,  
pp 10-12.

AF 1256092

Investigation Into the Annular Cascade of  
the Rotating Impeller of the Axial Fan, by  
K. A. Ushakov, I. V. Brusilovskiy.  
RUSSIAN, per. Prom Aero, 1958, pp 43-60.

DSIR LLU RTS 1080

Takeoff and Landing of High-Speed Aircraft,  
3 pp.  
RUSSIAN, np, Sovet Aviatsiya, 23 May 1959,  
p 2.

AF 1256093

Control Panel for the Flight Supervisor,  
3 pp.  
RUSSIAN, np, Sovet Aviatsiya, 17 Jul 1959,  
p 2.

AF 1256062

Hypersonic Rocket Planes, 3 pp.  
RUSSIAN, np, Sovet Aviatsiya, 13 Aug 1959,  
p 4.

AF 1256041

Scientific  
Aeronautics (Contd)

Nobel Endeavor.  
RUSSIAN, np, Sovet Aviatsiya, 10 Oct 1959,  
p 2.

\*AID

Notes on Foreign Aviation.  
RUSSIAN, np, Sovet Aviatsiya, 22 Oct 1959,  
p 4.

\*AID

Scientific  
Astronomy

Ionization of the Chromosphere and Prominence  
and Problem of Distribution of Density in the  
Chromosphere, by I. S. Shklovskiy.

RUSSIAN, per, Trudy Gosud Astronom Obser-  
imeni Shternberga, Vol XX, 1951, pp 5-25.

\*ATIC MCL-451/III

Preliminary Results of Observations of Mars  
in the Astrobotany Sector During the Great  
Opposition, by G. A. Tikhov.

RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, A

Visual Observations of Mars During Its Great  
Opposition in 1956, by K. I. Kozlova, V.  
Glagolevskiy.

RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, B

Some Data of Visual Observations of Mars in  
1956, by A. P. Kutyreva.

RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, C

On the Question of the Nature of the Surface  
of Mars, by B. M. Vladimirsckiy, K. A.  
Lyubarskiy.

RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, D

Cosmogony and Astrobiology, by A. K. Suslov.  
RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, E

Criticism of the Hypothesis About the Exist-  
ence of Vegetation on Mars, by B. M. Vladimirsckiy,  
K. A. Lyubarskiy.

RUSSIAN, per, Trudy Sektora Astrobotaniki,  
Ak Nauk Kazakhskoy SSR, Vol VI, 1958.

ACSI, H-4944, F

Attempt at Artificial Formation of Cumulus  
Clouds By Exclusive Use of Solar Energy, by  
H. Dessens, 19 pp.

FRENCH, per, Bull Obs-rv Puy de Dome, No 4,  
1956, pp 113-125.

NIH 11-45

Scientific  
Biology

Phytophthora of Potatoes Under Conditions  
of Sakhalin, by N. A. Nikiforova.  
RUSSIAN, bk, Fitofitoroz Kartofelia v  
Usloviyah Sakhalina, 1958,  
pp 3-6, 16-18, 59-67. 9045122

USDA

Conference on Continuous Fermentation and  
Cultivation of Microorganisms, by I. G.  
Kolesnikova.  
RUSSIAN, per, Mikrobiologiya, Vol XXVIII,  
No 5, 1959, pp 473-475. 9045150

USDA

Marine Microbiology (Deep-Sea), by A. E.  
Kriss.  
RUSSIAN, bk, Morskaya Mikrobiologiya  
(Glubokovodnaya), 1959, 455 pp, T of C  
and pp 3-8, 22, 23, 226, 227, 385-401.  
9045124

USDA

Synthetic Soil Structure Conditioners, by  
P. V. Vershinin.  
RUSSIAN, per, Pochvovedenie, No 10, 1958,  
pp 28-37. 9045127

USDA

Vegetation Period of Maize on Non-Chernozem  
Soils, by V. I. Balyura.  
RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol IV,  
No 4, 1959, pp 23-33. 9045128

USDA

Fine-Drop Aerial Spraying in the Control of  
Beet Weevil, by S. G. Starostin.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, 1959, pp 19-22. 9045135

USDA

Virus Diseases of Potatoes, by A. E. Protsenko.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, 1959, pp 30-32.  
9045129

USDA

Problem of Colorado Beetle Control, by  
I. A. Churayev.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, May/Jun 1959,  
pp 43, 44. 9045130

USDA

Scientific  
Biology (Contd)

Experience in Colorado Beetle Control in the Ukraine, by Z. F. Kriyachko.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, 1959, pp 45-47.  
9045131

USDA

New Herbicide - Simasin, by N. N. Mel'nikov.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, May/Jun 1959, p 53.  
9045132

USDA

New Book on the Chemical Method of Weed Control, by V. P. Bel'kov, I. V. Shutov.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, May/Jun 1959, p 61.  
9045133

USDA

History of Aerial Fine-Drop Spraying, by G. M. Korotkikh.  
RUSSIAN, per, Zash Rast ot Vreditelei i  
Boleznei, Vol IV, No 3, May/Jun 1959, p 63.  
9045134

USDA

Botany in China During the Past Decade, by Wang Fu-hsiung, Ch'in Jen-ch'ang, (NY-3302).  
CHINESE, per, Sheng-wu-hsueh T'ung-pao, No 10,  
Peiping, 1959, pp 436-440.

\*JPRS

Achievements in the Utilization of Wild Plants During the Past Decade, by Ch'iao Tseng-chien, Yin Tsu-t'ang, (NY-3302).  
CHINESE, per, Sheng-wu-hsueh T'ung-pao, No 10,  
Peiping, 1959, pp 442-448.

\*JPRS

China's Achievements in Michurinian Genetics During the Past Decade, by Liang Cheng-lan, (NY-3302).  
CHINESE, per, Sheng-wu-hsueh T'ung-pao, No 10,  
Peiping, 1959, pp 462-467.

\*JPRS

Scientific  
Chemistry

The Use of Radioactive Indicators in the Chromatographic Separation of Rare Earths, by D. L. Ryabchikov, M. M. Senyavin.  
RUSSIAN, bk, Primenenye Mechenykh Atomov Anal Khim Ak Nauk SSSR, Inst Geokhim Anal Khim imeni V. I. Vernadskogo, 1955, pp 98-106.

CCT 873B

Corrosion and Protection of High Strength Alloys, by S. E. Pavlov, et al.  
RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozi i Zashchite Metallov, Sec I, 19-24 May 1958, pp 22, 23.

DSIR LLU RTS 1347

Protection of Urban Underground Gas Pipes Against Corrosion, by K. A. Aliev.  
RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozi i Zashchite Metallov, Sec II, 19-24 May 1958, pp 15, 16.

DSIR LLU RTS 1131

Tests for the Protective Action of Volatile Inhibitors on Long Service Life Parts, by Lekareva.  
RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozi i Zashchite Metallov, Sec III, 19-24 May 1958, pp 9, 10.

DSIR LLU RTS 1132

Electrochemical Investigation of the Corrosion of Metals in a Humid Atmosphere With Different Sulphur Dioxide Contents, by G. B. Klark, et al.  
RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozi i Zashchite Metallov, Sec III, 19-24 May 1958, pp 38, 39.

DSIR LLU RTS 1127

Electroplating of Chromium From Solutions of Trivalent Chromium Salts, by I. A. Bodrov, N. T. Kudryavtsev.  
RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozi i Zashchite Metallov, Sec IV, 19-24 May 1958, pp 26, 27.

DSIR LLU RTS 1133

Scientific  
Chemistry (Contd)

Deposition of Silver and Cadmium From Non-Cyanide Solutions, by S. Ya. Popov, P. S. Chechel.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec IV, 19-24 May 1958, pp 37, 39.

DSIR LLU RTS 1134

Zinc Plating of Steel Springs Without Deterioration of Their Mechanical Properties, by A. M. Ginberg, A. P. Gorina.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec IV, 19-24 May 1958, pp 41, 42.

DSIR LLU RTS 1135

The Influence of Electroplating With Zinc on the Mechanical Properties of Steel, by I. I. Moroz, N. T. Kudryavtsev.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec IV, 19-24 May 1958, pp 43, 44.

DSIR LLU RTS 1136

Fundamental Trends in the Development of Production of Synthetic Resin for Paint Coatings, by P. M. Bogatyrev.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec V, 19-24 May 1958, pp 3-6.

DSIR LLU RTS 1348

Increasing the Corrosion Resistance of Electrolytic Zinc Coatings by Surface Treatment and Alloying the Zinc With Other Metals, by N. T. Kudryavtsev, K. M. Tyutina.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec V, 19-24 May 1958, pp 47, 48.

DSIR LLU RTS 1137

Choice of the Protective Coatings for Articles Used Under Tropical Conditions, by F. F. Azhigin, Yu. A. Smirnova.

RUSSIAN, paper, Programma Vses Nauch-Tekh Sovesh po Korrozii i Zashchite Metallov, Sec V, 19-24 May 1958, pp 48-50.

DSIR LLU RTS 1138

Scientific  
Chemistry (Contd)

Achievements in the Electro-Plating Field,  
by A. T. Vagramyan, N. T. Kudryavtsev.  
RUSSIAN, paper, Programma Vses Nauch-Tekh  
Sovesh po Korrozii i Zashchite Metallov,  
Sec VII, 19-24 May 1958, pp 62-68.

DSIR LLU RTS 1139

Theory of Atmospheric Corrosion. Plenary  
Session Lecture, by I. L. Rozenfel'd.  
RUSSIAN, paper, Programma Vses Nauch-Tekh  
Sovesh po Korrozii i Zashchite Metallov,  
19-24 May 1958, pp 24-38.

DSIR LLU RTS 1338

The Effectiveness of Zinc Protectors in a  
Moving Medium, by A. I. Zub.  
RUSSIAN, paper, Programma Vses Nauch-Tekh  
Sovesh po Korrozii i Zashchite Metallov,  
19-24 May 1958, pp 52, 53.

DSIR LLU RTS 1128

On the Possibility of Hydrogen Absorption  
by the Metal in the Cathodic Protection of  
Steel Structures in Sea Water, by S. A.  
Ivanov.  
RUSSIAN, paper, Programma Vses Nauch-Tekh  
Sovesh po Korrozii i Zashchite Metallov,  
19-24 May 1958, pp 53, 54.

DSIR LLU RTS 1129

Protective Methods for Zinc- and Aluminium-  
Base Alloys Protectors Containing Calcium,  
by A. F. Zhurakovskiy, I. N. Frantsevich.  
RUSSIAN, paper, Programma Vses Nauch-Tekh  
Sovesh po Korrozii i Zashchite Metallov,  
19-24, pp 54, 55

DSIR LLU RTS 1130

Some Problems in the Electroslag Welding  
of Titanium, by S. M. Gurevich, V. P.  
Didkovskiy.  
RUSSIAN, per, Avtomat Svarke, No 3, (54),  
1957, pp 85-91.

ATS RJ-2070

Diffusion of Polystyrene Fractions in  
Toluene, by V. N. Tsvetkov, L. S. Terent'eva.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVI,  
No 2, 1954, pp 323-326.

ATS RJ-2050

Scientific  
Chemistry (Contd)

Halogen Compounds of Ferrocene, by A. N. Neameyanov, et al.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol C,  
1955, pp 1099-1101.

CCT 338B

Investigation of Properties of the High Molecular Compounds of Petroleum, by S. R. Sergienko, B. E. Davydov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV,  
1955, pp 555-558.

CCT 187B

The Electrochemical Behavior of Stainless Steel in Sulphuric Acid Solution, by N. Ya. Bune, Ya. M. Kolotyrkin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI,  
1956, pp 1050-1053.

CCT 166B

An Oxidation Method for the Separation of Sulfides From the Intermediate Fractions of Crude Oil, by E. N. Karaulova, G. D. Gal'pern.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,  
No 3, 1959, pp 583-585.

ATS RJ-1932

Effect of Different Factors on the Specific Surface Area and Porosity of Chromium Catalysts, by T. V. Rode, A. E. Agronomov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,  
No 3, 1959, pp 625-627.

ATS RJ-2029

Change in the Chemical Composition and Activity of Copper Catalysts in the Process of Oxidizing Propylene to Acrolein, by N. I. Popova, E. E. Vermel.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,  
No 4, 1959, pp 842-845.

ATS RJ-1915

The Reaction of Olefine With Ammonia in the Presence of Oxide Catalysts, by A. V. Topchiyev, et al.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,  
No 4, 1959, pp 829, 830.

ATS RJ-1925

Scientific  
Chemistry (Contd)

The Initiation of the Polymerization Process  
in Emulsions Under the Influence of Isopropyl-  
benzene Hydroperoxide and SO<sub>2</sub>, by B. B.  
Kutsenok, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV,  
No 5, 1959, pp 1073-1076.

ATS RJ-1911

Sequence in the Formation of Products During  
Liquid-Phase Oxidation of Cyclohexane in a  
Steel Vessel, by I. V. Berezin, N. F. Kazan-  
skaya.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI,  
No 3, 1959, pp 594-597.

ATS RJ-1914

A Study of the CO Conversion Reaction During  
Steam Gasification, by N. V. Lavrov, Greben-  
shchikova.

RUSSIAN, per, Gaz Prom, No 1, 1958, pp 20-25.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 506

The Influence of the Kinetics of the Coke  
Combustion Process on the Dimensions of  
the Oxidation Zone in a Blast Furnace, by  
M. Ya. Ostroukhov.

RUSSIAN, per, Iz Ak Nauk SSSR, No 6, 1958,  
pp 3-6.

\*BISI 1526

Protective Potentials of Metals, by V. V.  
Gerasimov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 3, 1957, pp 263-269.

ATS RJ-2056

Isomerization of Saturated Hydrocarbons. I.  
Isomeric Transformations of C<sub>6</sub>-C<sub>8</sub> Alkanes,  
by A. A. Petrov, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 4, 1958, pp 437-445.

ATS RJ-1927

Isomerization of Saturated Hydrocarbons. II.  
Isomeric Transformations of C<sub>12</sub>-C<sub>16</sub> Alkanes,  
by A. A. Petrov, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 5, 1958, pp 575-583.

ATS RJ-1928

Scientific  
Chemistry (Contd)

Fundamental Relationships in the Catalytic Oxidation of Hydrocarbons. I. Adsorption of Hydrocarbons on Oxidation Catalysts, by L. Ya. Margolis.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk SSSR, No 10, 1958, pp 1175-1183.

ATS RJ-1921

Polymerization of Ethylene Over a Chromium Oxide Catalyst at Atmospheric Pressure and in the Absence of Solvent, by A. V. Topchiyev, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1959, pp 365, 366.

ATS RJ-1910

Some Features of the Behavior of Molecular Intermediate in the Oxidation of Propane, by K. E. Kruglyakova, N. M. Emmanuel.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1959, pp 417-424.

ATS RJ-1920

Dealkylation of Alkylnaromatic Hydrocarbons and Their Derivatives in the Presence of an Aluminosilicate Catalyst. Part 1. The Kinetics of the Dealkylation of Monoalkylbenzenes, by Kh. D. Georgiev, B. A. Kazanskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1959, pp 491-498.

ATS RJ-1898

Synthesis and Properties of Dimethyl-Substituted Alkanes of C<sub>12</sub>-C<sub>16</sub> Composition.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1959, pp 1421-1424.

\*ATIC MCL-453/V

Heat Balance of Direct Current Welding Arc in Gases During the Period of Drop Formation, by I. D. Kulagin, A. V. Nikolayev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1958, pp 89-91.

ATS RJ-2069

Ways of Obtaining High-Grade Concentrates From Lean Magnetites, by D. S. G. Yevsiovich.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metall Toplivo, No 3, 1959, pp 7-12.

HB 4757

Scientific  
Chemistry (Contd)

Determination of Titanium Oxide Inclusions,  
by Yu. T. Lukashevich-Divanova, V. A.  
Urazova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Metall Toplivo, No 3, 1959, pp 108-112.

HB 4754

Structure of Surface Layer on Uranium Ob-  
tained by Electrosparking, by B. V. Sharov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Metall Toplivo, No 3, 1959, pp 148-150.

HB 4755

Phase Equilibria in the System NaCl-NaOH-H<sub>2</sub>O  
at High Temperatures, by M. I. Ravich, et al.  
RUSSIAN, per, Iz Ak Nauk SSSR, Sektora Fiz-  
Khim Anal, Inst Obshch i Neorg Khim, Vol  
XXIV, 1954, pp 280-298.

ATS RJ-2048

The Existence of the Equilibrium Solid Phase  
K<sub>2</sub>CO<sub>3</sub>·Na<sub>2</sub>CO<sub>3</sub> in the System K<sub>2</sub>CO<sub>3</sub>-H<sub>2</sub>O At  
Temperatures Above 100°, by M. I. Ravich,  
et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Sektora Fiz-  
Khim Anal, Inst Obshch i Neorg Khim, Vol XXV,  
1954, pp 350-360.

ATS RJ-2047

Radiational Vulcanization of Automobile Tires,  
by M. Ya. Kaplunov, et al.

RUSSIAN, per, Kauchuk i Rezina, No 6, 1959,  
pp 48-50.

\*ATIC MCL-433/V

Studies of Chinese Scientists in the Field  
of Destructive Hydrogenation of Fuels, by  
I. V. Kalechits, K. Syue-lun.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol III, No 7, 1958, pp 53-62.

ATS RJ-1901

Conversion of the Oxygen-Containing Compounds  
of Cheremkhovo Tar During Liquid-Phase Hydro-  
genation, by K. A. Alekseyeva, B. L. Moldavskiy.  
RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol  
III, No 10, 1958, pp 7-11.

ATS RJ-1902

Scientific  
Chemistry (Contd)

The Rate of Reactions in the Dehydrogenation  
of Propane on a Fixed Catalyst, by I. Ya.  
Tyuryayev, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol III, No 12, 1958, pp 9-15.

ATS RJ-1900

Semi-Coking of Coal Fines in a Moving Bed,  
by Yu. I. Turakiy.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol III, No 12, 1958, pp 41-46.

ATS RJ-1904

A New Method for Evaluating the In-Service  
Behavior of Transformer Oils, by K. I.  
Ivanov, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol III, No 12, 1958, pp 46-48.

ATS RJ-1936

Some Relationships in the Loss of Detergent  
Additives From Oil, by A. B. Vipper, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol IV, No 1, 1959, pp 59-63.

ATS RJ-1935

Catalytic Cracking of Raw and Hydrogen-  
Treated Vacuum Gas Oil From Arlan Crude,  
by A. V. Agafonov, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol IV, No 4, 1959, pp 18-24.

ATS RJ-1895

The Special Features of Stepwise Counter-  
current Catalytic Cracking of Heavy Distil-  
late Feed Stocks, by D. I. Orochko, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel,  
Vol IV, No 4, 1959, pp 48-53.

ATS RJ-1896

Freezing of Meat and Fish in Liquid Nitrogen,  
by N. Moiseyeva, A. Piskareva, 8 pp.

RUSSIAN, per, Kholodil Tekh, No 1, 1959,  
pp 52-55.

LLU Tr Bul Nov 1959

The Preparation of Pitch for the Production  
of Pitch Coke, by M. A. Stepanenko, N. Y.  
Matusyak.

RUSSIAN, per, Koks i Khim, Vol IV, 1956,  
pp 55-58.

CCT 1732B

Scientific  
Chemistry (Contd)

Development of the Manufacture of Detergents  
and Synthetic Fat Substitutes, by P. V.  
Naumenko.

RUSSIAN, per, Maslobocno-Zhirovaya Prom,  
Vol XXIV, No 7, 1958, pp 1-9.

DSIR LLU RTS 1150

Effect of Inoculants on the Crystallization  
and Sulfur Distribution in Cast Austenitic  
Steel, by N. S. Kreshchanovskiy, I. E.  
Zabludovskiy.

RUSSIAN, per, Metal Termicheskaya Obra  
Metallov, No 3, 1959, pp 33-37.

HB 4542

Heat of Reaction Between Propylene and  
Sulfuric Acid, by S. A. Nazarov, et al.  
RUSSIAN, per, Neft Prom, Vol XXII, No 5,  
1941, pp 93-99.

ATS RJ-1926

Experimental Making Fire Resistives of  
Canadian Kyanite Concentrates, by V. D.  
Svikis.  
RUSSIAN, per, Ogneupory, No 4, 1958, p 191.

525th MI GP  
H-4308

Isotopes in Catalysis, by S. Z. Roginskiy.  
RUSSIAN, per, Problemy Kinetiki i Kataliza,  
Ak Nauk SSSR, No 9, 1957, pp 5-30.

ATS RJ-2033

Study of the Mechanism of Conversion of  
Alkanes Over a Silica-Alumina Catalyst  
Using Molecules Tagged With Cl<sup>14</sup>, by T. I.  
Andrianova, S. Z. Roginskiy.  
RUSSIAN, per, Problemy Kinetiki i Kataliza,  
Ak Nauk SSSR, No 9, 1957, pp 152-161, 168-172.

ATS RJ-1906

Hydrogen-Deuterium Exchange of Some Hydro-  
carbons Over Silica-Alumina Cracking Catalysts,  
by A. Z. Dorogochinskiy, et al.  
RUSSIAN, per, Problemy Kinetiki i Kataliza,  
Ak Nauk SSSR, No 9, 1957, pp 162-167.

ATS RJ-1905

Incorporation of Aqueous Solutions of Potas-  
sium Dichromate Into Electrode Coatings, by  
N. A. Gorpenyuk, A. V. Pechatnov.  
RUSSIAN, per, Svaroch Proiz, No 1, 1958,  
p 32.

HB 4669

Scientific  
Chemistry (Contd)

Chemical Fibers - Based on the Powerful  
Development of the Textile Industry.  
RUSSIAN, per, Tekstil Prom, No 8, 1958,  
pp 1-4.

ACSI, H-4019

Iron Phosphates, by E. B. Brutskus.  
RUSSIAN, per, Trudy Nauch Inst Udobreniy i Insektofungisidam imeni Ya. V. Samoil'ya,  
No 137, 1937, pp 110-126.

ATS RJ-2042

Organic Compounds of Sulfur in Oil Shale Gas,  
by A. E. Drabkin.  
RUSSIAN, per, Trudy Vses Nauch-Issled Inst Pererabotki Slantsev, No 6, 1958, pp 120-130.

ATS RJ-193

Formation of Disperse Carbon in the Thermal  
Decomposition of Hydrocarbons, by P. A.  
Tesner.  
RUSSIAN, per, Trudy Vses Nauch-Issled Inst Prirodnykh Gaz, No 3, 1958, pp 34-63.

ATS RJ-1913

Roasting of Zinc Concentrates in a Fluid  
Bed in Air Enriched With Oxygen, by B. I.  
Skachkov.  
RUSSIAN, per, Tsvetnyye Metal, No 2, 1958,  
pp 28-35.

DSIR LLU M.880

Structure and Transformations of the Fluoride  
Compounds of Beryllium, by A. V. Novoselova,  
Yu. P. Simanov.  
RUSSIAN, per, Uchenye Zapiski Mosk Gos Univ,  
Vol CLXXIV, 1955, pp 7-16.

DSIR LLU M.920

Methane Control in Coal Mines by Means of  
Methane-Consuming Bacteria, by A. Z.  
Yurovskiy, et al.  
RUSSIAN, per, Ugol, Vol VII, 1939, pp 48-53.

DSIR LLU M.790

Determination of the Methane Content of  
Coal Seams, by I. M. Yarovoy.  
RUSSIAN, per, Ugol, Vol XXII, No 12, 1947,  
pp 9-13.

DSIR LLU M.793

Scientific  
Chemistry (Contd)

Diffusion of a Polystyrene Fraction in Carbon Tetrachloride, by K. G. Kiseleva, I. A. Kizub.  
RUSSIAN, per, Vest Leningrad U, No 10, 1956,  
pp 6-11.

ATS RJ-2051

Corrosion of Water Economizers Operating on Sulfite-Treated Feed Water, by I. T. Deyev.  
RUSSIAN, per, Vnutrikotlovye Fiz-Khim Protsessy, Ak Nauk SSSR, Energet Inst imeni G. M. Krzhizhanovskogo, 1957, pp 334-338.

ATS RJ-2065

Rapid Reduction Method for Determination of Total Sulfur in Coals and Coke, by A. P. Shakhno.  
RUSSIAN, per, Zavod Lab, Vol X, No 3, 1941,  
pp 313, 314.

HB 2520

Method for Detecting the Penetration of Naphthalene in Reactions for Its Oxidation to Phthalic Anhydride, by G. P. Korneychuk.  
RUSSIAN, per, Zavod Lab, Vol XXII, No 8, 1956, p 920.

DSIR LLU M.825

A Method for Electrochemical Investigation of Atmospheric Corrosion at 100 Percent or Lower Relative Humidity of the Air, by Yu. N. Mikhailovskiy, N. D. Tomashov.  
RUSSIAN, per, Zavod Lab, Vol XXIII, No 12, 1957, pp 1462-1466.

ATS RJ-2064

Use of Radioactive Thulium for Gamma-Flaw-Detection, by V. S. Tokmakov.  
RUSSIAN, per, Zavod Lab, No 8, 1958,  
pp 983-985.

DSIR LLU M.643

New Method for the Qualitative Detection and Quantitative Determination of Traces of Hydrazine, by L. M. Kulberg, A. I. Cherkesov.  
RUSSIAN, per, Zhur Anal Khim, Vol VI, No 6, 1951, pp 364-370.

DSIR LLU M.504

Scientific  
Chemistry (Contd)

Quantitative Determination of Acenaphthylene,  
by M. M. Dashevskiy, G. P. Petrenko.  
RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 3,  
1959, pp 375-377.

DSIR LLU M.925

Heterogeneous Catalysis of H<sub>2</sub>O<sub>2</sub> by Manganese  
Compounds, by O. W. Altschuler, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol VIII, No 7,  
1939, pp 907-.

RAE 194

Formation of Nitrogen Oxides in Ultra-High  
Frequency Torch Discharge, by P. A. Serebryakov.  
RUSSIAN, per, Zhur Fiz Khim, Vol XIV, No 2,  
1940, pp 175-179.

CCT 1502B

Methods of Sealing Samples When Studying  
the Kinetics of Catalytic Processes by the  
Diaphragm Method, by G. P. Korneichuk, N. A.  
Stukanovskaya.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 9,  
1957, pp 2138, 2139.

ATS RJ-2034

The Brightness of Electrolytic Deposits and  
Its Relation to the Internal and External  
Structure of the Deposit, by K. M. Gorbunova,  
A. A. Sutyagina.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 4,  
1958, pp 785-790.

ATS RJ-2061

The Connection Between the Texture and  
Properties of Electrolytic Nickel Deposits,  
by G. S. Vozdvizhenskiy, R. S. Sailfullin.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 4,  
1958, pp 831-833.

ATS RJ-2060

The Determination of Diffusion Coefficients  
in Fused Oxides, by Yu. P. Nikitin, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 6,  
1958, p 1420.

ATS RJ-2049

Catalytic Properties of Cerium Dioxide in  
the Dehydrogenation and Dehydration of Alcohols  
and in the Dehydrogenation of Cyclohexane, by  
A. A. Tolstopyatova, A. A. Balandin.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 8,  
1958, pp 1831-1841.

ATS RJ-1903

Scientific  
Chemistry (Contd)

The Kinetics of Consecutive Reactions in a Recycle-Flow System, by S. V. Dobrovols'kiy, V. Ya. Polotnyuk.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 12, 1958, pp 2792-2796.

ATS RJ-2037

Vapor Pressure of Liquid Methane, by V. A. Zagoruchenko.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 2, 1959, pp 326, 327.

ATS RJ-2039

The Role of Catalyzing Additions in the Processes for the Production of Fatty Acids and Alcohols by Direct Oxidation of Paraffinic Hydrocarbons, by Ya. B. Chertkov.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 2, 1959, pp 363-369.

ATS RJ-1916

Model Studies on the Regeneration of Silica-Alumina Cracking Catalysts. I. Method of Study and the Coke Distribution in a Particle of Silica-Alumina Bead Catalyst, by D. P. Dobychin, Ts. M. Klibanova.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 4, 1959, pp 869-876.

ATS RJ-1893

The Effect of the Conditions of Preparing Silica and Alumina Hydrogels on the Structure and Activity of Mixed Silica-Alumina Catalysts, by M. A. Kaliko, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 4, 1959, pp 922-929.

ATS RJ-1894

Phase Equilibria in the System Melamine-Ammonia, by I. P. Krichevskiy, G. D. Efremova.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 6, 1959, pp 1328-1335.

ATS RJ-2040

Tantalum Refining by Removal of Niobium and Titanium Impurities by the Ion Exchange Method, by O. V. Al'tshuler, Ye. A. Subbotina, 9 pp.  
RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1, 1959, pp 28-32.

JPRS L-1062-N

Scientific  
Chemistry (Contd)

On the Question of the Electron Structure  
and Formation Conditions of Type ~~Meb~~ 6  
Borides, by V. S. Neshpor, G. V. Samsonov.  
RUSSIAN, per, Zhur Neorgan Khim, Vol IV,  
No 9, 1959, pp 1967-1969.

\*ATIC MCL-460/III

Wettability of Borides and Carbides by  
Liquid Metals, by V. N. Yeremenko, Yu. V.  
Naydich.  
RUSSIAN, per, Zhur Neorgan Khim, Vol IV,  
No 9, 1959, pp 2052-2057.

\*ATIC MCL-460/III

Nickel Aluminum Alloy With Low Coefficient  
of Linear Expansion, by I. I. Kornilov,  
R. S. Mints.  
RUSSIAN, per, Zhur Neorgan Khim, Vol IV,  
No 9, 1959, pp 2169-2171.

\*ATIC MCL-460/III

Thermographic Investigation of the Proc-  
esses of Revivification of Chromium Ca-  
talysts, by T. V. Rode, A. A. Balandin.  
RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII,  
No 11, 1958, pp 2909-2915.

ATS RJ-2031

The Surface Condition and Anodic Potentials  
of Copper and Nickel During Electrochemical  
Polishing, by N. P. Fedot'ev, S. Ya. Grilikhes.  
RUSSIAN, per, Zhur Prik Khim, Vol XXX, No 4,  
1957, pp 643-645.

ATS RJ-2058

A Study of the Protective Action of Mixtures  
of Corrosion Inhibitors in Neutral Media,  
by A. S. Afanas'ev, G. V. Zhuk.  
RUSSIAN, per, Zhur Prik Khim, Vol XXXII,  
No 1, 1959, pp 141-150.

ATS RJ-2063

Preparation of Formaldehyde in a Flow Appa-  
ratus by the Catalytic Oxidation of Methane  
Using Nitrogen Oxides, by N. S. Enikolopyan,  
et al.  
RUSSIAN, per, Zhur Prik Khim, Vol XXXII,  
No 4, 1959, pp 913-919.

ATS RJ-1919

Scientific  
Chemistry (Contd)

Reaction of Silica With Calcium and Magnesium Hydroxides Under Hydrothermal Conditions, by Tu. M. Butt, L. N. Rashkovich.  
RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 6, 1959, pp 1186-1192.

ATS RJ-2038

Vinylation of Cyclic Hydrocarbons, by P. P. Karpukhin, A I. Levchenko.  
RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 6, 1959, pp 1354-1359.

ATS RJ-1907

Studies on the Retention of Activity of Granular Nitrided Fused Iron Catalyst.  
First Report: Investigation of the Cause for Decrease in Activity, by Wang Shan-yun, Chang Lin-yang.  
CHINESE, per, Jan Liao Hsueh Pao, Vol II, No 4, Oct 1957, pp 311-322.

Dept of Interior  
TN7, E57, No 149

On the Formation of Lower Phenols Under the Condition of Destructive Hydrogenation.  
Second Report: Lower Phenols in the Liquid-Phase Hydrogenation Products of the Coal Tar Residue of Ku Chen Tze, by Sih Tsu-wei, I. V. Kalechits.  
CHINESE, per, Jan Liao Hsueh Pao, Vol II, No 4, Oct 1957, pp 333-340.

Dept of Interior  
TN7, E57, No 134

On the Transformation of Basic Nitrogenous Compounds Under the Condition of Destructive Hydrogenation. Second Report: Distribution and Interconversion of Various Classes of Nitro-Genous Compounds Under Liquid-Phase Hydrogenation, by Yeh Tsu-hang, I. V. Kalechits.  
CHINESE, per, Jan Liao Hsueh Pao, Vol II, No 4, Oct 1957, pp 341-351.

Dept of Interior  
TN7, E57, No 150

Some of China's Researches on Ion-Exchange Resins, by He Ping-lin, (NY-3334).  
CHINESE per, Kao-fen-tzu T'ung-hsun, Vol III, No 5, Peiping, Oct 1959, pp 219-224.

\*JPRS

Scientific  
Chemistry (Contd)

Report on Several Research Projects, (NY-3334).  
CHINESE, per, Kao-fen-tzu T'ung-hsun, Vol  
III, No 5, Peiping, Oct 1959, pp 277-300.

\*JPRS

Calorimetry of Solid Substances, by J.  
Ludmila.  
CZECH, per, Paliva a Voda, Vol XXX, Prague,  
1950, pp 283-289.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 506

The Qualitative and Quantitative Analysis  
of Heavy Tar Oils by Gas Chromatography,  
by F. Dupire, G. Botquin.  
FRENCH, per, Anal Chim Acta, Vol XVIII,  
1958, pp 282-290.

Bu of Mines  
Petroleum Exper Sta Lib  
Bartlesville, Okla.  
Tr 72

1:2:5-Trinitrobenzene or Benzite, by L.  
Desvergne.  
FRENCH, per, Chim et Industrie, Vol XXV,  
No 1/2, 1931.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 30

Study of Dust Filters Composed of Esparto  
Grass, by L. Dautrebranche, P. Angenot, E.  
Dumoulin.  
FRENCH, per, Comptes Rendus de l'Academie  
des Sciences, Vol CCV, Paris, 19 Jul 1937,  
pp 240-.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 19

The Synthesis of Fatty Acids With Purified  
Enzymes From the Fatty Acid Cycle, by W.  
Seubert, G. Greull, F. Lynen, 11 pp.  
GERMAN, per, Angew Chemie, Vol LXIX, No 11,  
1957, pp 359-361.

NIH 11-23

Removal of Oxygen and Moisture From Argon,  
Nitrogen and Hydrogen in the Laboratory, by  
W. Pfaff, K. Hoffmann.  
GERMAN, per, Arch Eisenhuettenwesen, Sep  
1959, pp 539, 540.

BISI 1522

Contribution to the Reduction Behaviour  
of Several Oxides and Oxidic Compounds  
at the Fractionated Hot Vacuum Extraction  
in a Carbon Crucible, by H. Schenck, K. D.  
Unger.  
GERMAN, per, Arch Eisenhuettenwesen, Sep  
1959, pp 549-552.

\*BISI 1523

Scientific  
Chemistry (Contd)

The Composition of Coal Tar and of Coal Pitch, by H. Mallison.  
GERMAN, per, Bitumen fuer die Asphalt-, Teer-, und Verwandte Industrie, Vol I, Wiesbaden, Dec 1950, pp 313-317.

Bu of Mines  
Petroleum Exper Sta Lib  
Bartlesville, Okla.  
Tr 71

The Physicochemical Properties of the Structural Constituents of Coal, X. Autoxidation and Chemical Constitution, by C. Kroeger, H. Burger.  
GERMAN, per, Brennstoff-Chemie, 18 Mar 1959, pp 76-85.

BISI 1484

O-Oxyquinoline ("Oxine"), by R. Berg.  
GERMAN, per, Die Chem Anal, Vol XXXIV, 1935.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 29

Dusting Tendency of Materials, by A. H. M. Andreassen, N. Hoffman-Bang, N. H. Rasmussen.  
GERMAN, per, Kolloid Z, Vol LXXXVI, Dresden, 1939, pp 70-77.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 27

Synthesis of Aldehydes at Room Temperature by Reaction of Olefins, Dicobaltol-Octacarbonyl and Hydrogen, by P. Pine, et al.  
ITALIAN, per, Chim e l'Industria, Vol XXXVII, Milano, 1955, pp 782-786.

Bu of Mines  
Central Exper Sta  
Pittsburgh, Pa.  
Tr 212

The Theory of Stabilization of Vinyl Resins and Their Stabilizers, by Parker, 10 pp.  
ITALIAN, per, Materie Plastiche, No 12, 1956, pp 1029-1035. 9044728.

ACSL 1047

Thermo-Chemical Investigations of the Higher Oxides of Nickel, by F. Giordani, E. Mattias.  
ITALIAN, per, R.C. Accad Napoli, Vol XXXV, 1929, pp 172-182.

RAE 819

Polymerization of Styrene With Ziegler's Catalyst, by N. Yamazaki.  
JAPANESE, per, Kobunshi Kagaku, Vol XV, No 153, 1958, pp 49-54.

ATS JJ-1909

Scientific  
Chemistry (Contd)

Studies of High Polymers With a Thermobalance.  
I. Some Vinyl Polymers, Crude Rubber and  
Rubber Hydrochloride, by S. Tsuruta, et al.  
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIV,  
1951, pp 524, 525.

ATS JJ-2052

Studies of High Polymers With a Thermobalance.  
IV. Relation Between the Mean Degree of  
Polymerization and Stability of Polyvinyl  
Chloride, by S. Tsuruta, et al.  
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LV,  
1952, pp 397, 398.

ATS JJ-2053

Calcium-Hydrogen System. I. The Rate of  
Absorption of Hydrogen by Metallic Calcium,  
by Y. Kawana.  
JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXI,  
No 10, 1950, pp 494-496.

ATS JJ-2044

Studies of Silicic Acid in Aqueous Solutions.  
Part 3. Behavior of Silicic Acid in Aqueous  
Solutions Containing Fluorine Ions, by T.  
Tarutani.  
JAPANESE, per, Nihon Kagaku Zasshi, Vol  
LXXVII, No 12, 1956, pp 1811-1815.

ATS JJ-2045

Studies on Silicic Acid in Aqueous Solutions.  
Part 4. Catalytic Action of Fluorine Ions  
on the Formation of Colloidal Silica, by T.  
Tarutani.  
JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXVII,  
No 12, 1956, pp 1815-1818.

ATS JJ-2046

Alkaline Hydrolysis of Chlorobenzenes, by  
N. Ohta, K. Kagami.  
JAPANESE, per, Tokyo Kogyo Shikensho  
Hokoku, Vol XLVII, Tokyo, 1952, pp 327-336.

ATS RJ-1912

Welding Conditions of Steels and Cooling  
Time Near the Fusion Line. Part 3. Esti-  
mation of Cooling Time in the Case of Manual  
Arc Welding With Covered Electrodes, by M.  
Inagaki.  
JAPANESE, per, Yosetsu Gakkai-Shi, No 1,  
1959, pp 32-38.

ATS JJ-2067

Scientific  
Chemistry (Contd)

Welding Conditions and Cooling Time Near  
the Fusion Line. Part 7. Summary of  
Various Cases of Welding Conditions and  
the Relation Thereof to the Continuous  
Cooling Transformation Diagram, by M.  
Inagaki.  
JAPANESE, per, Yosetsu Gakkai-Shi, Vol  
XXVIII, No 4, 1959, pp 244-249.

ATS JJ-2068

Advances in Research on the Action of  
Organophosphorus Compounds, by T.  
Kisielinski, J. Lyszczarz, (DC-3211).  
POLISH, per, Postepy Biochemii, Vol V,  
No 1, 1959, pp 47-65.

\*JPRS

On the Interaction of Chlorides of Hafnium,  
Niobium and Tantalum With Phosphorus Oxy-  
chloride, by V. A. Vovtovich, I. A. Sheks.  
UKRAINIAN, per, Dopovidi Ak Nauk URSR,  
Vol VIII, 1958, pp 849-852.

CCT 1736B

Electrolytic Dissociation in Fused Salts,  
by B. F. Markov, Yu. K. Delimarskiy.  
UKRAINIAN, per, Ukrain Khim Zhur, Vol XIX,  
No 3, 1953, pp 255-263.

RAE 256

Scientific  
Electricity

Electrostatic Filter, by Paul Herbelot, 5 pp.  
FRENCH, Patent No 963,621.

Patent Office

Scientific  
Electronics

Electric Micromachinery of Automation System, by Yu. S. Chechet, 377 pp.  
RUSSIAN, bk, Elektricheskiye Mikromashiny  
Automaticeskikh Ustroystv, Moscow, 1957,  
364 pp.

ATIC F-TS-9826/V

Reading Device Using Phototubes and Transistors, by I. F. Miroshnikov, 77 pp.  
RUSSIAN, monograph, Perevodoy Nauchno-Tekhnicheskii i Proizvodstvennyy Opyt, No P-58-  
20/1, 1958, pp 3-45.

JFRS 1066-D

Semiconductor Devices and Their Application, 603 pp.  
RUSSIAN, bk, Poluprovodnikovye Prilby I ikh Primenenie, Moscow, 1957, 623 pp.

ATIC F-TS 9823/V

Protective Screening of Light-Current Cables Against Dangerous Interference From Effects of 110 Kv Cables, by V. N. Ivanov, V. V. Kubikov.  
RUSSIAN, per, Elek Stants, No 9, 1958, pp 40-43.

DSIR LLU RTS 1217

High Voltage Direct Current Transmission Failure (Arcing Back) of the Invertor, by V. P. Pimenov, A. V. Posse, 6 pp.  
RUSSIAN, per, Elektrichestvo, No 6, 1956, pp 65-70. 9045362

DSI 566 (British)

The Possibility of Protecting the Anode of the Mercury Valve From Drops of Mercury Sprayed by the Cathode Spot, by G. N. Golubchin, L. A. Sena, 5 pp.  
RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 66-69. 9045365

DSI 572 (British)

Reducing Earth Resistances in Rocky and Permanently Frozen Localities, by S. A. Sokolov, 6 pp.  
RUSSIAN, per, Elektrosvyaz', No 6, 1959, pp 65-70. 9045363

DSI 565 (British)

Scientific  
Electronics (Contd)

Third All-Union Conference on Radioelectronics, (NY-3332).

RUSSIAN, per, Iz Vysokikh Uchebnykh Zavedeniy, Radiofiz, Vol II, No 4, Gor'kiy, 1959, pp 666-673.

\*JPRS

What Is a Radio War?, by Ya. Varaksin; Spectrovizor - A New Type of Oscilloscope, by V. Koltsov, 15 pp. RUSSIAN, per, Radio, No 6, 1958, pp 16-18, 21-23.

ACSI, H-4781

Views on the Development of Electronic Calculating Machines, by V. Aleksandrov, 11 pp. RUSSIAN, per, Radio, No 12, 1958, pp 5, 6.

ACSI, H-4797

New Concepts in the Theory of Ultra-Short wave Propagation, by M. Dolukhanov, 9 pp. RUSSIAN, per, Radio, No 1, 1959, pp 28-30.

ACSI, H-4786

Differential Phase Displacement in a Twisted Rectangular Wave Guide With Axial Longitudinally-Magnetized Ferrite Rod, by A. N. Germ. RUSSIAN, per, Radiotekhnika i Elektron, Vol IV, No 7, 1959, pp 1198-1200.

Navy 2375/ONI 6236

The Use of Computers for Controlling Arc Furnaces, by U. E. Efroimovich. RUSSIAN, per, Stal, Jul 1957, pp 602-608.

\*BISI 1528

Radio Equipment for the Simultaneous Translation of Speeches to Eight Languages, 8 pp. RUSSIAN, per, Vest Svyazi, No 5, 1958, pp 8-11.

ACSI, H-4956, D

Experience in Rural Radioification in the Krasnoyarsk Krai, 8 pp. RUSSIAN, per, Vest Svyazi, No 5, 1958, pp 14-16.

ACSI, H-4956

Mobile TV-Station PTS-3; Wide Automatization of Communication Menas in the Country, 16 pp.

RUSSIAN, per, Vest Svyazi, No 12, 1958, pp 10, 11, 13, 14.

ACSI, H-4952

Scientific  
Electronics (Contd)

Recording of Electric Waves on Paper and Its Foundation in Theory, by V. Arkad'yev, (NY-3320).

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VII, No 1, 1937, pp 87-106.

\*JPRS

Characteristics of Detector for Chemical Recording of High-Frequency Electric Fields on Paper, by V. Arkad'yev, E. Chernyavskaya, (NY-3320).

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VII, No 1, 1937, pp 107-113.

\*JPRS

The Velocity Distribution of Electrons in the Presence of a Varying Electric Field and a Constant Magnetic Field, by V. M. Fain. RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVIII, No 4, 1955, pp 422-430.

CCT-1312M

Some Opinions Concerning Research on Semiconductor Materials, by Lu Yu-lung, Wang Ping-nan, 11 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 16, 1959, pp 508-510.

JPRS L-1119-N

The Preparation of Semiconductor Silicon, by Wang Ping-nan, 11 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 16, 1959, pp 514-516.

JPRS L-1121-N

Basic Principles of an Aviation Radar Locator, 6 pp.

CHINESE, per, Ts'e-liang Chih-t'u Hsueh-pao, Vol III, No 3, 1959, pp 171, 174-176.

JPRS L-1142-N

Natural Equivalent Circuit and Hybrid-Parameters of a Junction Transistor, by Cheng Chung-chih, Lee Chin-lin, 56 pp.

CHINESE, per, Wu-li Hsueh-pao, Vol XV, No 9, 1959, pp 475-506.

JPRS L-1972-D

The Use of Electron Microscopy for the Study of Kinetic Phenomena in Previously Selected Areas, by Molcik, M. Klesnil.

CZECH, per, Hutnicke Listy, No 8, 1959, pp 688-692.

\*BISI 1510

Scientific  
Electronics (Contd)

Radio Telephone System for the Provision of  
Two-Way Radio Communication Between Mobile  
Stations and a Fixed Station, or Between  
Mobile Stations Through a Fixed Station, by  
Folke Sture Lauhren, 24 pp.  
DANISH, Patent No 80,088.

Patent Office

"Pentaconta" Automatic Telephone System,  
24 pp.  
FRENCH, per, Bulletin de la Soc Francaise  
des Electriciens, No 81, 1957, pp 561-573.

525th MI Op, H-4122

Electric Dust Separator, 7 pp.  
FRENCH, Patent No 877,056, Siemens-Lurgi-  
Cottrell-Elektro-Filter-Gesellschaft m.b.H.  
fuer Forschung und Patentverwertung.

Patent Office

Contributions to Programming Techniques for  
Electronic Analogue Computers, by H. Herrmann.  
GERMAN, per, Abhandlungen Braunschweig Wiss  
Ges, Vol X, 1958, pp 117-149.

RAE 825

Scientific  
Engineering

Dynamic Problems of Cybernetics: Introduction, by A. S. Kel'zon, (NY-3300).

RUSSIAN, bk, Dinamicheskiye Zadachi Kibernetiki, publ by Sudpromgiz, Leningrad, 1959, pp 74-19.

\*JPRS

Use of Topographic Charts in Geographic Investigations (Discussion of Reports Presented at the Interdepartmental Conference on Topographic Charts, Institute of Geography, Academy of Sciences USSR, 1955), (NY-3307).

RUSSIAN, bk, Istozovaniye Topograficheskikh Kart pri Geograficheskikh Issledovaniyakh, Moscow, 13 Dec 1958, pp 95-116.

\*JPRS

Heating of Steel in Open Flame Furnaces, by V. A. Kuroedov.

RUSSIAN, rpt, Kuznechno-Shtampovochnoye Proiz, Jan 1959, pp 25-41.

\*BISI 1541

The Underground Hydraulic Extraction of Coal in the Kuznetsk Basin, by V. S. Muchnik.

RUSSIAN, pamphlet, Ministerstvo Ugol'noi Promshlennosti SSSR, Moscow, 1953, 49 pp.

Dept of Interior Tr 52

Crack Formation During Heat Treatment of Steel, by Y. I. Malinkina, 207 pp.

RUSSIAN, bk, Obrazovaniye Treshchin pri Termicheskoy Obrabotke Stali, 1958, 160 pp.

ATIC F-TS-9984/V

Scientific and Technical Problems of Automatic Electric Drive, by V. S. Kulebakin, et al, 450 pp.

RUSSIAN, bk, Sessiya Akademii Nauk SSSR Po Nauchnym Problemaim Automatizatsii Proizvodstva 15-20 Oktyabrya 1956, Moscow, 1957, 444 pp.

ATIC F-TS-9828/V

Theory and Technological Application of Automatic Devices, by A. F. Khokhlov.

RUSSIAN, bk, Teoriya i Tekhnicheskoye Primeneniye Avtomaticheskikh Ustroystv, 1959, 584 pp.

\*ATIC MCL-454/V

Scientific  
Engineering (Contd)

Hydraulic Underground Mining, by A. V.  
Dokunin, D. G. Onika.  
RUSSIAN, bk, Ugol'naya Promyshlennost  
Pol'skoy Narodnoy Respubliky, 1957,  
pp 430-442.

DSIR LIU M.795

Engineering Efficiency of Aircraft Structures, 20 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 19-26.

AF 1256091

Criteria for the Engineering Efficiency of an Aircraft Structure, 4 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 3, 1958,  
pp 26, 27.

AF 1256100

Weight Engineering and Weight Control of Aeronautical Structures, 4 pp.  
RUSSIAN, per, Aviatsionnaya Prom, No 4, 1958,  
pp 25, 26.

AF 1256102

All-Austenite Welds Not Susceptible to Hot Cracking, by B. I. Medovar, Yu. V. Latash.  
RUSSIAN, per, Avtomat Svarka, Vol X, No 2, 1957, pp 32-45.

HB 4464

The Turbocharging of Motor Vehicle Compression-Ignition Engines, by N. S. Khanin, N. I. Petrov.  
RUSSIAN, per, Avtomobil Prom, No 11, 1958,  
pp 17-21.

DSIR LIU RFS 1271

Autoclaved Concrete Made With Metallurgical Slag and Ash Binders, by A. V. Volzhensky, A. I. Mochalov, Y. S. Burov, E. S. Silaenkov.  
RUSSIAN, per, Beton i Zhelezobeton, No 8, 1957, pp 322-325.

DSIR/36514/CT

Experience in the Production of Cellular Concrete on the Building Site, by N. Ya. Dudak, A. A. Vinogradov.  
RUSSIAN, per, Beton i Zhelezobeton, No 6, 1958, pp 221, 222.

DSIR/36512/CT

Scientific  
Engineering (Contd)

Investigation on the Pattern of Behavior of  
Sectional Prestressed Concrete Beams Loaded  
to Failure, 21 pp.

RUSSIAN, per, Ryull Tekh Informatsii, No 3,  
1957, pp 6-12.

AID T-33

Method of Calculating the Amount of Gas To  
Be Injected Into a Water-Bearing Formation  
for the Purpose of Creating Underground Gas  
Storage Facilities, by E. V. Levykin, A. L.  
Khein.

RUSSIAN, per, Gaz Prom, Vol IV, No 1, 1959,  
pp 38-41.

ATS RJ-1794

Conference of the German Administration for  
Measures and Weights of the German Demo-  
cratic Republic, by G. D. Burdin, S. S.  
Shchedrovitskiy, 6 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 3-5.

JPRS 1049-D

The German Administration of Measures and  
Weights, by I. Shtanek, 7 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 5-8.

JPRS 1049-D

Scientific Works Completed by the Central  
Physico-Technical Institute of the German  
Administration of Measures and Weights  
Under the Second Five-Year Plan, by G. G.  
Laport, E. Padelt, 8 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 8-11.

JPRS 1049-D

Testing Laboratories of the German Admin-  
istration of Measures and Weights, by G. V.  
Lirs, 7 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 12-14.

JPRS 1049-D

Radiomeasurement Apparatus at the Elec-  
tronics Instruments Exhibit of the German  
Democratic Republic, by V. P. Rynkevich,  
5 pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 57, 58.

JPRS 1049-D

Scientific  
Engineering (Contd)

Output Device of a General Purpose Digital Computer Using Magnetic (Ferrite) Elements, by Yu. A. Makhmudov, 23 pp.  
RUSSIAN, per, Iz Ak Nauk Azerbaydzhanskoy SSR, No 6, 1958, pp 23-36.

JPRS 1047-D

Application of the Electroanalogy Method to the Solution of Radiant Heat Transfer Problems, by V. N. Adrianov, 10 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 20-25.

JPRS L-1117-N

On the Derivation of a Basic Equation of the Hydrodynamic Theory of Heat Transfer, by P. N. Pinsker, 13 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 26-32.

JPRS L-1117-N

Calculation of Heat Transfer and Friction of a Flat Plate Swept by a Supersonic Flow in the Presence of Porous Intake of a Gas and Sublimation Under Laminar Boundary Layer Conditions, by V. P. Potulevich, 10 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 33-38.

JPRS L-1117-N

Conference on the Theory of Invariance, Resolutions of the Conference, by V. A. Bodner, 3 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 139, 140.

JPRS L-1117-N

November General Meeting of the Department of Technical Sciences, by M. S. Solomonov, 5 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 142, 143.

JPRS L-1117-N

Twelfth Scientific and Technical Session on Gas Turbine Building, by I. P. Stul'nikov, 4 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 144, 145.

JPRS L-1117-N

Scientific  
Engineering (Contd)

Calculation of Servo Systems With Self Regulating Parameters, by Yu. M. Kozlov, 10 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 65-76.

JPRS L-1117-N

Accelerated Testing of the Reliability of Electrical Elements of a Technical System, by A. M. Polovko, 7 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 99-103.

JPRS L-1117-N

Ablation of Bodies in Supersonic Flow, by O. N. Kastelin, Ye. A. Mitkina, A. S. Predvoditelov, 4 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 140, 141.

JPRS L-1117-N

The Use of Automatic Digital Computers for Accomplishing Design Work, by I. S. Bruk, 28 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 3, 1959, pp 141-150.

JPRS 2028-N

Dynamics of Vertical Displacements in Three-Cutter Bits With Impact-Action Teeth, by N. A. Gazarov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft i Gaz, Vol II, 1959, pp 27-33.

ATS RJ-1755

Relationship Between Rotational Speed and Weight on Bit in Turbodrilling Providing Efficient Rock Disintegration, by V. S. Fedorov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft i Gaz, No 3, 1959, pp 39-41.

ATS RJ-1777

A Hydraulic Investigation of Sand Incursion During Multizone Completion, by G. S. Gazaryan.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft i Gaz, No 3, 1959, pp 63-66.

ATS RJ-1801

Scientific  
Engineering (Contd)

Quantitative Evaluation of Frictional Force  
During Movement of the Tool in a Deviated  
Hole, by M. M. Aleksandrov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft i  
Gaz, Vol II, No 4, 1959, pp 41-48.

ATS RJ-1773

The Formation of Burn-On on Steel Castings,  
by B. B. Gulyayev, Yu. F. Borovskiy.  
RUSSIAN, per, Lit Proiz, No 6, 1957, pp 5-7.

DSIR LLU RTS 1239

Change-Over From Elastic to Permanent Deforma-  
tion During Structural Transformations, by  
D. M. Nakhimov.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov,  
No 3, 1959, pp 2-6.

HB 4535

Kinetics of Austenite Decomposition in Steels  
During Welding, by N. N. Prokhorov, et al.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov,  
No 3, 1959, pp 13-16.

HB 4537

Rupture Strength of Tubular Steel Specimens  
Under Internal Hydrogen Pressure at High Tem-  
peratures, by N. N. Kolgatin, L. A. Glikman,  
V. P. Teodorovich, V. I. Deryabina.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov,  
No 3, 1959, pp 19-24.

HB 4539

Steel for Fastenings in Steam-Power Plant Operat-  
ing at 140 Atms (2000 Psi) and 570°C (1060°F),  
by A. V. Ratner, A. S. Panicheva.  
RUSSIAN, per, I`tal Termicheskaya Obra Metallov,  
No 3, 1959, pp 28-32.

HB 4541

Structural Changes in Metal of the Heat-Affected  
Zone in Magnesium Alloy Spot Welds, by N. Kh.  
Andreyev.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov,  
No 3, 1959, pp 46-48.

HB 4545

Operation of Blast Furnace on Sized Fluxed  
Sinter, by S. K. Trekalo, N. M. Yakubtsiner,  
A. B. Shur.  
RUSSIAN, per, Metallurg, No 4, 1959, pp 3-7.

HB 4664

Scientific  
Engineering (Contd)

Automatic Helical Build-Up Welding of Shafts,  
by S. Agronomov, I. Martynenko.  
RUSSIAN, per, Morskoy Flot, No 9, 1958, pp 17-  
19.

DETR L-1117-1207

Engine Noise Reduction in RT 300 Trawlers. by  
A. Kane.  
RUSSIAN, per, Morskoy Flot, No 5, 1959, pp 9-11. Navy 2373/ONI 597

Improvement of the IAB-451 Instrument, by L. A.  
Vasil'yev, 11 pp.  
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash i  
Priborost, No 4, 1958, pp 230-237.

JPRS L-1117-N

Study of Deposition and Carry-Out of Dust in  
Steelmaking Furnaces, Using a Scale Model, by  
M. A. Glinkov, A. L. Serokhvotov.  
RUSSIAN, per, Nauch Dok Vysshey Shkoly, Metal-  
lurg, No 2, 1959, pp. 84-88.

HB 4699

Experiment in Slim Hole Drilling, by A. N. Babi-  
kov.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 2, 1958,  
pp 19-22.

ATS RJ-1769

Test Drilling of a Deep Well With an 8 Inch  
Electrodrill, by A. A. Avetisyan, G. O. Amird-  
zhanyants.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 3, 1958,  
pp 12-15.

ATS RJ-1767

Hydraulic Fracturing of a Formation With Sub-  
surface Observation of the Fracture Zone, by  
P. M. Usachev, et al.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 5,  
1958, pp 28-37.

ATS RJ-1787

High-Speed Pipeless Slim Hole Electrodrill,  
by A. A. Minin, A. A. Pogarskiy.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 7,  
1958, pp 6-13.

ATS RJ-1768

Scientific  
Engineering (contd)

Nomograph for Computations in Connection  
With Hydraulic Formation Fracturing, by  
D. N. Kuz'michev.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 7,  
1958, pp 55-57.

ATS RJ-1790

The Formation of Vertical Fractures During  
Hydraulic Fracturing (Conclusion), by M. P.  
Panov, et al.  
RUSSIAN, per, Neft Khoz, Vol XXXVI, No 10,  
1958, pp 39-43.

ATS RJ-1785

Methods of Improving Electrodrills, by A. P.  
Ostrovskiy.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 1,  
1959, pp 36-43.

ATS RJ-1766

An Efficient System for Controlling the  
Viscosity and Shear Stress of Drilling Muds,  
by S. Yu. Zhukhovitskiy.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 2,  
1959, pp 38-43.

ATS RJ-1771

The Specific Power Consumption in Drilling  
Wells With Three-Cutter Bits, by F. N.  
Fomenko.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 3,  
1959, pp 25-32.

ATS RJ-1754

Electrochemical Method of Consolidating  
Clayey Formations in Well Bores, by N. I.  
Titkov, et al.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 3,  
1959, pp 38-40.

ATS RJ-1782

Fivefold Effectiveness of Hydraulic Frac-  
turing in Siltstones, by M. P. Panov.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 4,  
1959, pp 63-67.

ATS RJ-1783

Static Force Required for Pulling a Tubing  
String From a Deviated Hole, by V. A.  
Khar'kov.  
RUSSIAN, per, Neft Khoz, Vol XXXVII, No 5,  
1959, pp 27-32.

ATS RJ-1774

Scientific  
Engineering (Contd)

Rydraulic Piston Pump, by A. A. Bogdanov.  
RUSSIAN, per, Neftyanik, Vol III, No 1, 1958,  
pp 22-26.

ATS RJ-1800

Vibro-Units in Exploration Drilling, by N. S.  
Makurin.  
RUSSIAN, per, Neftyanik, Vol IV, No 3, 1959,  
pp 4-8.

ATS RJ-1761

The Fire Filtration Linkage of Boreholes With  
Air at High Pressure in Hard Coal Seams, by  
V. A. Smirnov, E. V. Kreinin.  
RUSSIAN, per, Podzemnaya Gaz Ugley, No 4, 1957,  
pp 24-28.

Bu of Mines, T 557  
Pittsburgh, Pa.

The Contour and Completeness of Gasification  
of a Coal Seam (From the Results of Opening  
Up Experimental Generator No 1 at Lisichansk  
U. G. Station), by V. N. Kazak.  
RUSSIAN, per, Podzemnaya Gaz Ugley, No 2, 1958,  
pp 12-15.

Bu of Mines, T 540  
Pittsburgh, Pa.

Methods of Controlling the Conversion Reaction  
of Carbon Mo Oxide With Water Vapour When  
Producing Technological Gas in an Underground  
Generator, by N. V. Lavrov, K. B. Trifonova.  
RUSSIAN, per, Podzemnaya Gaz Ugley, No 2, 1958,  
pp 35-38.

Bu of Mines, T 541  
Pittsburgh, Pa.

Computer Engineering and Cybernetics, by V.  
Glushkov, (DC-3238).  
RUSSIAN, np, Pravda Ukrainsk, No 265 (5377),  
Kiev, 14 Nov 1959, p 3.

\*JPRS

The Automatic Control by Means of Mathematical  
Machines of the Hauling of a Train by a Loco-  
motive, by V. I. Koskutov.  
RUSSIAN, per, Priborostroyeniye, No 4, 1958,  
pp 1-5.

DSIR LIU RTS 1312

Effect of the Unit Quantity of Cast-Iron Shot  
on the Bottom of the Hole and a Method for  
Determining the Anticipated Drilling Resist-  
ances of the Rock, by N. I. Lyubimov, V. I.  
Morozov.  
RUSSIAN, per, Razvedka i Okhrana Nedr, Vol XXV,  
No 1, 1959, pp 25-27.

ATS RJ-1760

Scientific  
Engineering (Contd)

Engines for Space Ships.

RUSSIAN, np, Sovet Aviatsiya, 9 Oct 1959, p 4.

\*AID

Increasing the Life of Mandrels for Cold Tube Reducing Mills, by I. Yu. Korobochkin, et al.  
RUSSIAN, per, Stal, (Rolling and Tube Manufacture Supplement), 1959, pp 151-159.

BISI 1499

Roll Pass Design for the Manufacture of Rectangular and Oval Section of Welded Tube, by E. M. Krichevskiy.

RUSSIAN, per, Stal, (Rolling and Tube Manufacture Supplement), 1959, pp 160-170.

\*BISI 1521

Reducing Welded Tubes in a Three-Roll Stretch Reducing Mill, by G. I. Gulyayev, et al.

RUSSIAN, per, Stal, (Rolling and Tube Manufacture Supplement), 1959, pp 180-187.

BISI 1491

A New Arc-Spot Welding Method, by A. Ya. Brodskiy.

RUSSIAN, per, Svaroch Proiz, No 10, 1958, pp 18-21.

DSIR LLU RTS 1262

A Procedure for Determining the Impact Strength and Cold-Shortness of Manual and Semi-Automatic Welds, by M. M. Kraychik, N. V. Pashkov.

RUSSIAN, per, Svaroch Proiz, No 11, 1958, pp 7-10.

DSIR LLU RTS 1176

Research Work on the Pressure Welding of Pipes, by V. D. Taran.

RUSSIAN, per, Svaroch Proiz, No 11, 1958, pp 12-14.

DSIR LLU RTS 1263

The Economy of Arcair Cutting, by I. S. Shapiro.

RUSSIAN, per, Svaroch Proiz, No 11, 1958, pp 33, 34.

DSIR LLU RTS 1273

Longitudinal Seam Welding of Large-Diameter Pipes by High-Frequency Resistance Heating, by N. P. Glukhanov.

RUSSIAN, per, Svaroch Proiz, Feb 1959, pp 6-8.

BISI 1489

Scientific  
Engineering (Contd)

Electrets -- Electric Analogs of the Magnets,  
3 pp.

RUSSIAN, per, Tekhnika Molodezhi, No 3, 1959,  
pp 37-39.

AF 1256095

High-Power Boiler Installations of the Podol'-  
skiy Machine-Construction Works, by O. N.

Dobrynin, G. Ya. Mazharsup.

RUSSIAN, per, Teploenergetika, No 1, 1959,  
pp 28-37.

DSIR LLU RTS 1290

The Calculation of Deformations of Members  
When Applying Two Fillet Welds Simultaneously,  
by N. O. Okerblom, V. N. Savelev.

RUSSIAN, per, Trudy L.P.I. Welding Industry,  
No 189, 1957, pp 23-33.

DSIR LLU M.618

Deformations Caused in H-Beams by Laying Un-  
symmetrical Vertical Weld Beads on the Web,  
by I. P. Baykova.

RUSSIAN, per, Trudy L.P.I. Welding Industry,  
1957, pp 34-42.

DSIR LLU M.619

The Strengths of Welded Joints Under the  
Separate Actions of Residual Stresses and  
Local Plastic Deformations, by D. I. Navrot-  
skiy.

RUSSIAN, per, Trudy L.P.I. Welding Industry,  
1957, pp 43-50.

DSIR LLU M.620

Tests for the Strength of Members With Abrupt  
Changes in Shape at Low Temperatures and in  
Different States of Stress, by D. I. Navrot-  
skiy.

RUSSIAN, per, Trudy L.P.I. Welding Industry,  
No 189, 1957, pp 51-57.

DSIR LLU M.621

The Determination of the Tangential Stresses  
in Butt Welds, by D. I. Navrotskiy.

RUSSIAN, per, Trudy L.P.I. Welding Industry,  
1957, pp 58-67.

DSIR LLU M.622

Scientific  
Engineering (Contd)

The Problems of the Development of Complex Mechanization and Automation in the USSR,  
by I. I. Kuz'min.

RUSSIAN, per, Vest Ak Nauk SSSR, No 7, 1958,  
pp 7-18.

DSIR LLU M.630

Universal Flying Shears for Cutting Sectional Metal, by T. S. Pobedin, T. F. Prikhodko, V. L. Stefanovich, 15 pp.

RUSSIAN, per, Vest Mash, No 1, 1958, pp 42-47.

LLU Tr Bul Nov 1959

The Strength and Resistance to Wear of Components of Anti-Friction Bearings, by S. V. Pinegin.

RUSSIAN, per, Vest Mash, Vol XXXVIII, No 3, 1958, pp 8-11.

DSIR LLU RTS 1302

The Distribution of Static Pressures on Bearing Rollers, by N. V. Rodzevich, V. I. Rul'kov.

RUSSIAN, per, Vest Mash, Vol XXXVIII, No 3, 1958, pp 12, 13.

DSIR LLU RTS 1303

Projected Soviet High Speed Diesel Engine, by N. M. Glagolev, Ibragimov, N. I. Tsvetkova, 4 pp.

RUSSIAN, per, Vest Mash, No 3, 1959, pp 3-8.  
9044144

DSI 567 (British)

Relaxation Testing of Model Bolted Connections, by Ya. S. Gintsburg.

RUSSIAN, per, Zavod Lab, Vol XXII, No 5, 1956, p 584.

DSIR LLU M.635

Machine for Studying the Rupture Strength of Tubes Under Pressure With Cyclic Bending, by P. V. Zver'kov.

RUSSIAN, per, Zavod Lab, No 12, 1958, pp 1514-1516.

DSIR LLU M.598

Major Achievements and Activities in Electric Power Construction Research and Techniques, (NY-3333).

CHINESE, per, K'o-hsueh Hsin-wen, No 32, 14 Oct 1959, pp 3, 4.

\*JPRS

Scientific  
Engineering (Contd)

China's Progress in Automation Research and Techniques, by Wu Ju-yang, (NY-3333).  
CHINESE, per, K'o-hsueh Hsin-wen, No 32, 14 Oct 1959, p 5.

\*JPPS

Dynamics of the Scientific World Second Exchange Conference on Hydraulic Scientific Technology, by Wei T'ang.  
CHINESE, per, K'o-hsueh T'ung-pao, No 24, 1958, p 759.

AMS

The Influence of the Degree of Eccentricity in a Stiefel Piercing Mill on the Possible Formation of External Spiral Defects During Piercing, by V. Dedeck.  
CZECH, per, Hutnicke Listy, No 10, 1958, pp 882-892.

\*BISI 1506

The Surfacing of Pilger Rolls of Rolling Mills, by O. Pejcoch, J. Kuznik.  
CZECH, per, Hutnicke Listy, No 2, 1959, pp 173-184.

\*BISI 1507

Contribution to the Problem of the Production of N80 Normalized Oil Tubes From Manganese Steel, by R. Sejnoha, L. Prochazka.  
CZECH, per, Hutnicke Listy, No 7, 1959, pp 569-573.

\*BISI 1539

Research Into Material for Oil Tube Castings With a Yield Strength (Min.) of 98 kg/mm<sup>2</sup>, by R. Sejnoha.  
CZECH, per, Hutnicke Listy, No 9, 1959, pp 829-840.

\*BISI 1540

Melting in Electric Furnaces, by M. Hajek.  
CZECH, per, Slevarenstvi, No 12, 1958, pp 384-390.

\*BISI 1532

Underwater Explosion Tests, 7 pp.  
FRENCH, rpt, 20 Oct 1959.

Navy/ONI 5081523

Engineering

Relative Problem of Wheels, by P. Ravonet,  
J. Bouley.  
FRENCH, per, Rev Gen Chemins de Fer, Nov 1959,  
pp 684-686.

\*BISI 1536

Braking of Trains, by M. Laplaiche.  
FRENCH, per, Rev Gen Chemins de Fer, Nov 1959,  
pp 687-697.

\*BISI 1537

Supporting Arrangement for Holding Vehicle  
Engine Hoods Open, 4 pp.  
FRENCH, Patent No 1,082,151, Etablissements  
Saintagne.

Patent Office

The Development of the Maerz Boelens Furnace,  
by F. Bartu.  
GERMAN, brochure From Maerz Ofenbau A.G.  
Zurich, Jun 1959.

BISI 1497

A Technical Sinter Diagram, by G. Ritzau.  
GERMAN, rpt, Plansee Proc, 1955, pp 442-455;  
Discussions, pp 455, 456.

\*BISI 1533

Dry Lurgi-Type Electrical Dust Precipitator  
for the LD Steelmaking Process, by F. Kolbe.  
GERMAN, per, Berg-und Huettenmaennische  
Montash, Vol CIV, No 2, 1959, pp 26-31.

HB 4718

Wall Thickness Calculation of Steam Boilers  
and Pressure Vessels.  
GERMAN, per, Brennstoff-Waerme-Kraft, Dec  
1951, pp 422-426.

BISI 1488

Development and Present State of the Problem  
of the Introduction of an Automatic Coupling  
Into the European Standard-Gauge Railway  
Systems, by W. Rohde.  
GERMAN, per, Eisenbahn Technische Rundschau,  
No 4, 1959, pp 163-169.

BISI 1534

Stainless Steel Bolts for Aircraft, by E.  
Richter.  
GERMAN, per, Luftfahrttechnik, 15 Feb 1959,  
pp 58-60.

\*BISI 1525

Scientific  
Engineering (Contd)

New Means for Brightness Measurement, by  
H. D. Schulz-Methke.

GERMAN, per, Metall, Vol XIII, No 6, 1958,  
pp 625-628.

HB 464,

Study of the Mixing Efficiency of a Basic-  
Iron Mixer, by E. Eickworth, H. J. Kopineck,  
G. Opfer.

GERMAN, per, Stahl u Eisen, Vol LXXVI, No 16,  
1956, pp 1028-1032

HB 4048

Electric Furnace for Fluid-Bed Reduction of  
Iron Ores, by W. Wenzel.

GERMAN, per, Stahl u Eisen, Vol LXXIX, No 17,  
1959, pp 1183-1186.

HB 4679

Determination of the Friction Losses in Roll  
Neck Bearings Using Water as Cooling and  
Lubricating Agent, by E. Wenger.

GERMAN, per, Stahl u Eisen, 3 Sep 1959,  
pp 1263-1268.

\*BISI 1529

Damage to Tooth Faces and the Load Capacity  
of Rolling Mill Gears, by M. Unterberger.

GERMAN, per, Stahl u Eisen, 3 Sep 1959,  
pp 1268-1272.

BISI 1452

Pressure Welded Austenite-Ferrite Tube  
Junctions, by H. Linden, H. Henneke.

GERMAN, per, Vereinigung Grosskesselbesitzer  
Mitt, Jun 1958, pp 165-175.

\*BISI 1512

Stresses at the Joint Face of Austenite-  
Ferrite Junctions, by A. Schiller.

GERMAN, per, Vereinigung Grosskesselbesitzer  
Mitt, Jun 1958, pp 176-180.

\*BISI 1513

Summary of the Results of Co-operative Work  
on Long-Time Creep Tests: Conclusions With  
Respect to Steam-Plant Construction, by W.  
Ruttmann, R. Schinn.

GERMAN, per, Vereinigung Grosskesselbesitzer  
Mitt, Dec 1958, pp 411-420.

\*BISI 1515

Scientific  
Engineering (Contd)

Welding of Ferritic to Austenitic Steels.  
Review of Progress, by J. Class.  
GERMAN, per, Vereinigung Grosskesselbesitzer  
Mitt, Jun 1959, pp 181-207.

\*BISI 1516

Windshield Wiper, by Alfred Hoyler, 13 pp.  
GERMAN, Auslegeschrift DAS No 1,039,380.

Patent Office

Machine for Producing Bore Holes Having Any  
Desired Decreasing or Increasing Diameters,  
3 pp.  
GERMAN, Patent No 45,665. Chemnitzer Werk-  
zeugmaschinenfabrik.

Patent Office

Venting Device for Centrifugal Pumps With  
Perforated Hub Cap of the Impeller, 5 pp.  
GERMAN, Patent No 276,593. Akt.-Ges der  
Maschinenfabriken Escher Wyss & Cie.

Patent Office

A Flowmeter With Movable Baffle Plate, by  
Eduard Straub.  
GERMAN, Patent No 426,957.

Navy 2383/NRL 759

Angular, Self-Locking Door Lifter, by Heinrich  
Bottermund, 3 pp.  
GERMAN, Patent No 455,940.

Patent Office

Washing Machine, Particularly for Domestic Use,  
by Dr. Gustav Kuerzel, 21 pp.  
GERMAN, Patent No 859,597, Siemens-Schuckert-  
werke Aktiengesellschaft.

Patent Office

Testing Machine for Bearings and Some Results  
Obtained on Ductile-Iron Bearings With a  
Pearlitic-Ferritic Structure, by A. Chisu,  
et al,  
ITALIAN, per, Met Constr Masini, Dec 1957,  
pp 30-34.

HB 4711

Machines for Cutting Tufaceous Rock Into  
Parallelepiped Blocks for Direct Use in the  
Construction of Walls, by Leonardo Centrone,  
4 pp.  
ITALIAN, Patent No 379,446.

Patent Office

Scientific  
Engineering (Contd)

Crack With Mobile Jaws, Suitable for the Clamping of Objects Even With Non-Parallel Faces, by Carlo Ciccale, 3 pp.  
ITALIAN, Patent No 546,380.

Patent Office

Experiments in Niitsu Oil Field, by K. Nakayama.  
JAPANESE, per, J Japan Petroleum Inst, Vol I, No 2, 1958, pp 120-132.

AT&T JJ-1796

On Welding Cracks of Alloy Steels, 23 pp.  
(ID 2122042)  
JAPANESE, per, J Japan Welding Soc, No 18, 1949.

ACSI, H-3860, A

Fundamental Research on Welding of Special Steels, 2 $\frac{1}{4}$  pp.  
JAPANESE, per, J Japan Welding Soc, No 19, 1950.

ACSI, H-3860, B

Determining the Dust Retention Efficiency of Dust Collecting Installations, by W. Mrozowska, 48 pp.  
POLISH, bk, Biuletyn No 14, publ by Komitet dla Spraw Gornoslaskiego Okregu Przemyslowego, Komisja Oczyszczania Atmosfery, Chap II, 1958, pp 55-89, Conclusions; pp 103, 136, 137.

NIH 11-46

Reactions in Pelletizing and Iron-Ore Reduction, Part II, (Concluding), by J. O. Edstroem.  
SWEDISH, per, Jernkont Annaler, Vol CXLII, No 7, 1958, pp 428-466.

HB 4638

The Shaking Ladle, a New Metallurgical Tool, by S. Eketorp.  
SWEDISH, per, Jernkont Annaler, No 8, 1959, pp 487-507.

HB 4760

Scientific  
Engineering (Cont'd)

Fundamental Problems in the General Theory  
of Cybernetic Systems of Automatic Control,  
Part 2, by A. G. Ivakhnenko, (DC-3237).  
UKRAINIAN, per, Avtomatyka, No 4, 1958,  
pp 1-17.

\*JPRS

Fundamental Problems in the General Theory  
of Cybernetic Systems of Automatic Control,  
Part 3, by A. G. Ivakhnenko, (DC-3237).  
UKRAINIAN, per, Avtomatyka, No 1, 1959,  
pp 39-50.

\*JPRS

Theoretical Gasification of Coal, by G. O.  
Kuznetsov.

RUSSIAN, bk, Moscow-Leningrad, 1941, 2d Ed.

Bu of Mines T 531  
Pittsburgh, Pa.

Interstellar Gas Dynamics, by S. A. Kaplan,  
212 pp.

RUSSIAN, bk, Mezhevvednata Gazodinamika,  
Moscow, 1958, 194 pp.

ATIC MCL-97/V

Production of a Phospholipid Concentrate and  
High Grade Oil, by B. G. Luchin.  
RUSSIAN, per, Byull Tekh-Ekon Informatsii,  
No 2, 1958, pp 51, 52.

DSIR LLU RTS 1097

Condensed Aromatic Hydrocarbons in the Light  
Oil Fraction of Cheleken Petroleum, by A. M.  
Niyazon, et al.  
RUSSIAN, per, Khim i Tekh Topliva i Masel,  
No 9, 1958, pp 13-18.

CCT-1630B

Schemes for Processing Topped Crude.  
RUSSIAN, per, Khim i Tekh Topliva i Masel,  
No 5, 1959, pp 42-51.

\*AID

Kolkhoz Petroleum Storage Facilities.  
RUSSIAN, per, Kolkhoz Proiz, No 4, 1959,  
pp 37-39.

\*AID

A Review of "An Economic Analysis of Under-  
ground Gasification," by A. I. Kovalenko,  
G. D. Bakulev.  
RUSSIAN, per, Podzemnaya Gaz Ugley, No 4,  
1957, pp 71, 72.

Bu of Mines T 539  
Pittsburgh, Pa.

Where to Find "Abundant Oil."  
RUSSIAN, np, Pravda, 4 Dec 1959.

\*AID

Contribution to Knowledge on the Mode of  
Formation of Coal. Conclusions Based on  
Infrared Absorption, by C. Alexanian.  
FRENCH, per, Comptes Rendus de l'Academie  
des Sciences, Vol CCXLVI, 1958, pp 1192-  
1195.

Bu of Mines Tr 511  
Pittsburgh, Pa.

Scientific  
Fuels (Contd)

Report on the Recently-Developed Burstlein-Longwy Process for Coke Production From Bituminous and Non-Bituminous Coals, by E. Burstlein.

FRENCH, per, Echo des Mines et de la Metal-lurgie, Juillet, 1957, p 3506.

Bu of Mines T 314  
Pittsburgh, Pa.

On the Addition of Warning Agents to Municipal Illuminating Gas, by R. Grassberger, et al. GERMAN, bk, Abhandlungen aus dem Gesamtgebiete der Hygiene, 106 pp.

Bu of Mines T 16  
Pittsburgh, Pa.

Scientific  
Geophysics

The Cruise of the Icebreaker Fedor Litke  
in the Okhotsk Sea in Winter 1931-1932,  
by N. N. Alekseyev.  
RUSSIAN, bk, Issledovaniya Morey SSSR,  
Leningrad, 1935, pp 36-39.

\*Navy/HO 85

Short Term Forecasts of Sea Level and  
Currents, by N. A. Belinskiy.  
RUSSIAN, bk, Morskiye Gidrometeorologicheskiye Informatsii i Prognozy, Chap IV, Leningrad, 1956, pp 57-90.

\*Navy/HO 86

Forecasts of Water Temperature and Ice  
Phenomena, by N. A. Belinskiy.  
RUSSIAN, bk, Morskiye Gidrometeorologicheskiye Informatsii i Prognozy, Chap VI, Leningrad, 1956, pp 129-216

\*Navy/HO 86

Ideas on Long Term Forecasts, by N. A. Belinskiy.  
RUSSIAN, bk, Morskiye Gidrometeorologicheskiye Informatsii i Prognozy, Chap VII, Leningrad, 1956, pp 216-229.

\*Navy/HO 86

The Arctic Ocean, by V. Istoshin.  
RUSSIAN, bk, Okeanografiya, Leningrad, 1953, Chap XVIII, pp 217-219.

\*Navy/HO 84

Thermal Inter-Influence of Oceans and Continents, by V. Istoshin.  
RUSSIAN, bk, Okeanografiya, Leningrad, 1956, Chap VIII, pp 84-93.

\*Navy/HO 84

Ice, by V. Istoshin.  
RUSSIAN, bk, Okeanografiya, Leningrad, 1956, Chap XIII, pp 162-178.

\*Navy/HO 84

The Arctic Ocean, by V. Istoshin.  
RUSSIAN, bk, Okeanografiya, Leningrad, 1956, Chap XVII, pp 222-229.

\*Navy/HO 84

Seas of the Arctic Ocean, by V. Istoshin.  
RUSSIAN, bk, Okeanografiya, Leningrad, 1956, Chap XX, pp 262-264.

\*Navy/HO 84

Scientific  
Geophysics (Contd)

Salt Structures in the Dnepr-Donets Geo-syncline, by V. N. Kityk, 12 pp.

RUSSIAN, per, Biull Ministerstvo Vysshego Obrazovaniya SSSR, Oil and Gas, No 3, 1959.

MEB

On Characteristic Intervals of Pulsations of Diminishing Periods (10-1 sec) in the Electromagnetic Field of the Earth and Their Connection With Phenomena in High Atmosphere, by V. A. Troitskaya, M. V. Mel'nikova, (NY-3322). RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 5, 1959, pp 917-920.

\*JPRS

Some Results Obtained by Measuring the Magnetic Field of the Earth With a Space Rocket, by S. Sh. Dolginov, N. V. Pushkov, (NY-3321). RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1, Nov-Dec 1959, pp 77-80.

\*JPRS

Character of the Temperature Field in a City and the Effect of Anomalous Lateral Refraction, by A. S. Zyuzin, (DC-3247).

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 2, 1959, pp 326-329.

\*JPRS

The First Moscow City Conference of New Scientists on the Problems of Oceanology, by V. I. Karavayeva, Yu. A. Romanov.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf, No 3, 1959, pp 149, 150.

Navy 2377/HO 87

The Conditions of Disintegration of Asteroids According to Observed Peculiarities of Zodiacal Light, by V. G. Fesenkov, (NY-3352).

RUSSIAN, per, Iz Astrofiz Inst, Ak Nauk Kazakh-skoy SSR, Vol VIII, Alma-Ata, 1959, pp 3-11.

\*JPRS

On Zodiacal Twilights, by V. G. Fesenkov, (NY-3352).

RUSSIAN, per, Iz Astrofiz Inst, Ak Nauk Kazakh-skoy SSR, Vol VIII, Alma-Ata, 1959, pp 13-18.

\*JPRS

Scientific  
Geophysics (Contd)

Low Latitude Aurora of 29-30 September 1957,  
by Z. V. Karyagina, (NY-3352).

RUSSIAN, per, Iz Astrofiz Inst, Ak Nauk Kazakh-  
skoy SSR, Vol VIII, Alma-Ata, 1959, pp 68-78.

\*JPRS

Certain Data on the Polarization of the Sky in  
Southern Egypt, by Ye. V. Pyaskovskaya-Fesenkova,  
(NY-3352).

RUSSIAN, per, Iz Astrofiz Inst, Ak Nauk Kazakh-  
skoy SSR, Vol VIII, Alma-Ata, 1959, pp 82-97.

\*JPRS

Meteorological Regime of the Interior Regions  
of Eastern Antarctica, by B. G. Aver'yanov,  
(DC-3261).

RUSSIAN, bimo per, Iz Vs Geograf Obshch, Vol  
XCI, No 5, Sep/Oct 1959, Leningrad, pp 397-409.

\*JPRS

A Study of the Effect of the Chief Natural  
Factors on the Hardness of Sandstones and  
Siltstones, by I. S. Fincgenov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Neft  
i Gaz, No 2, 1959, pp 47-52.

ATS RJ-1780

General Circulation Index as an Indicator  
for Zonal and Meridional Synoptic Processes,  
by A. L. Kats, 9 pp.

RUSSIAN, per, Met i Gid, No 5, 1959, pp 3-8.

JPRS-L-1075-N

Method for the Determination of Local  
Pressure Variations From Wind Information,  
by I. P. Vetlov, 13 pp.

RUSSIAN, per, Met i Gid, No 5, 1959,  
pp 9-17.

JPRS-L-1076-N

On the Progress-Report Session of the  
Scientific Council of the Main Geophysical  
Observatory imeni A. I. Voyeykov, by T. A.  
Ogneva, 4 pp.

RUSSIAN, per, Met i Gid, No 5, 1959,  
pp 60, 61.

JPRS-L-1077-N

Scientific  
Geophysics (Contd)

Progress-Report Session of the Scientific Council of the Central Institute of Forecasts, by N. I. Zverev, 3 pp.  
RUSSIAN, per, Met i Gid, No 5, 1959,  
pp 61, 62.

JPRS-L-1078-N

Conference of the Scientific Council of the State Hydrological Institute of the Progress of Scientific Research Work in 1958, by K. P. Klicashev, 4 pp.

RUSSIAN, per, Met i Gid, No 5, 1959, pp 62, 63.

JPRS-L-1079-N

The Structure of Atmospheric Turbulence According to Data From High-Speed Aircraft, by Yu. V. Kurillova, S. P. Khachatryan, 8 pp.  
RUSSIAN, per, Met i Gid, No 3, 1959, pp 3-12.

JPRS-L-1126-N

Sounding the Atmosphere With the A-22-III Radiosonde, by V. A. Pobiyakho, 7 pp.  
RUSSIAN, per, Met i Gid, No 8, 1959,  
pp 35-37.

JPRS-L-1127-N

Yu. B. Khrabrov - "Methods of Making Weather Forecasts for Periods of 3-7 Days," by A. A. Girs, 10 pp.  
RUSSIAN, per, Met i Gid, No 8, 1959,  
pp 47-50.

JPRS-L-1128-N

Literature on Meteorology, Hydrology and Oceanography for 1958, 13 pp.  
RUSSIAN, per, Met i Gid, No 8, 1959, pp 50-54.

JPRS-L-1129-N

Injection of Rich Gas Into a Formation to Increase Its Oil Production, by A. S Velikovskiy, V. P. Terzi.  
RUSSIAN, per, Neft Khoz, Vol XXXIV, No 11, 1956, pp 31-36.

ATS RJ-1795

Rules of Motion of Artificial Celestial Bodies, by Yu. A. Ryabov, 16 pp.  
RUSSIAN, per, Priroda, No 8, 1959,  
pp 11-18.

JPRS-1021-D

Scientific  
Geophysics (Contd)

Extent of Clouds Over Arctic Seas and  
Central Arctic, by M. V. Zavarina, M. K.  
Romasheva, (DC-3262).  
RUSSIAN, per, Problemy Arktiki, No 2, 1957,  
Leningrad, pp 127-132.

\*JPRS

Dissociation and Ionization of the Air,  
6 pp.  
RUSSIAN, np, Sovet Aviatsiya, 27 Mar 1959,  
p 2.

AF 1256070

Problems of Instrumental Gravimetry, 112 pp.  
RUSSIAN, per, Trudy Inst Fiz Zemli, Ak Nauk  
SSR, 1959, No 8 (175), pp 3-77.

JPRS L-1137-N

Fauna of Cliffs and Stone Pebbles in the  
Black Sea at Karadag, by I. V. Sharonov.  
RUSSIAN, per, Trudy Karadagskoy Biol  
Stantsii, Vol XII, 1952, pp 68-77.

\*Navy/HO 90

The Photo-Recording of Wave Elements, by  
A. A. Ivanov.  
RUSSIAN, per, Trudy Morsk Gidrofiz In-ta  
AN SSSR, Vol IV, 1950, pp 15-22.

DSIR LLU M.656

Some Conclusions From an Analysis of  
Observational Data on Wind-Excited Distur-  
bances, by A. A. Ivanov.  
RUSSIAN, per, Trudy Morsk Gidrofiz In-ta  
AN SSSR, Vol VIII, 1956, pp 44-62.

DSIR LLU M.657

Development of Meteorological Services in  
China in the Past Decades, by Lu Wo,  
Wang P'eng-fei, (NY-3350).  
CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol  
XXX, No 3, Oct 1959, pp 197-201.

\*JPRS

Meteorological Education in China During  
the Past Decade, by Hsieh Kuang-tao, Hsieh  
I-ping, Yeh Kwei-hsing, (NY-3350).  
CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol  
XXX, No 3, Oct 1959, pp 202-205.

\*JPRS

Scientific  
Geophysics (Contd)

China's Progress in Meteorological Research in the Past Decade, by Chao Chiu-chang, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 206-211.

\*JPRS

China's Progress in Meteorological Observation Techniques and Instruments Research in the Past Decade, by Ch'eng Shun-shu, Yen K'ai-wei, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 212-217.

\*JPRS

Chinese Studies on Precipitation During the Past Decade, by Hsieh I-ping, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 223-225.

\*JPRS

China's Research on Long-Range Weather Forecasting During the Past Decade, by Yang Chien-ch'u, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 231-235.

\*JPRS

China's Achievements in Numerical Forecasting, by Ku Chen-ch'ao, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 236-242.

\*JPRS

China's Researches in Dynamic Meteorology in the Past Decade, by Hsu Erh-hao, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 243-250.

\*JPRS

Chinese Studies on Atmospheric Circulation During the Past Decade, by Yeh Tu-cheng, Hsieh Kuang-tao, (NY-3350).

CHINESE, per, Ch'i-hsiang Hsueh-pao, Vol XXX, No 3, Oct 1959, pp 263-276.

\*JPRS

Scientific  
Geophysics (Contd)

China's Experiments in Artificial  
Precipitation, by Ch'eng Shun-shu,  
**(NY-3350).**

CHINESE, per, Chi-i-hsiang Hsueh-pao,  
Vol XXX, No 3, Oct 1959, pp 286-290.

\*JPRS

Research Achievements in Geophysical  
Prospecting and Outlook, by Chou Ching-  
han, (DC-3217).

CHINESE, per, Ti-ch'iu wu-li k'an-t'an,  
No 9, Peiping, 22 Sep 1959, pp 8-12.

\*JPRS

The Problem of the Internal Thermal Unrest  
of the Sea, by Kurt Kalle.

GERMAN, per, Sonderdruck aus der Deutschen  
Hydrographischen Z, Vol VI, No 4/5/6,  
1953, pp 145-170.

\*Navy/HO 93

The Humboldt Current and the Pacific Areas  
of Its Effective Range, by Hans-Guenter  
Gierlof-Emden.

GERMAN, bk, Sonderdruck aus "Petermanns  
Geographischen Mitteilungen," Leipzig,  
1959, pp 1-17.

\*Navy/HO 88

Oscillations of Stability and the Internal  
Thermal Agitation in the Sea and in the  
Atmosphere, by Gerhard Neumann.

GERMAN, per, Deutsche Hydrographische Z,  
Vol II, No 1/2/3, 1949, pp 52-67.

\*Navy/HO 92

The Horizontal Diffusion in the Sea, by  
J. Joseph, H. Sende..

GERMAN, per, Deutsche Hydrographische Z,  
Vol XI, No 2, 1958, pp 44-47.

\*Navy/HO 94

Oceanography and Climatology of the Persian  
Gulf and the Gulf of Oman, by Dr G. Schott.  
GERMAN, per, supplement to Annalen der  
Hydrographie und Maritimen Meteorologie,  
Part III, Sec 4, 1918, pp 10-12.

Navy 2378/HO 347

Scientific  
Geophysics (Contd)

The Effect of the Water Surface on the  
Lift Distribution of Hydrofoils, by  
S. Schuster, H. Schwancke.  
GERMAN, per, Schiffstechnik, Vol IV,  
No 21, 1957.

\*Navy/DTMB 292

Exploration of "Inland Ice" Greenland and  
Antarctica, by Fritz Loewe, 4 pp.  
GERMAN, per, Umschau, No 4, 1956,  
pp 110-113. 650636

Corps of Engrs  
Wilmette, Ill.  
Tr 58

Investigations of Ukrainian Scientists in  
the Program of the International Geophysical  
Year, by T. S. Lebedev, (DC-3277).  
UKRAINIAN, per, Visnyk Ak Nauk Ukrains' RSR,  
No 12, Kiev, 1958, pp 36-45.

\*JPRS

Mathematics

Some Mathematical Problems Arising in  
Connection With the Theory of Optimal  
Systems of Automatic Control, by L. S.  
Pontryagin, 7 pp.  
RUSSIAN, Paper read at a Session of the  
Academy of Sciences, USSR, 15th-20th  
Oct 1956, publ in Vol II of the Proceed-  
ings in 1957, pp 107-117. 9044146

DSI 539  
(British)

Basic Concepts of Cybernetics, by S. V.  
Yablonskiy, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 7-38.

\*JPRS

Algorithmization of Mathematical Problems,  
by L. A. Kaluzhnin, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 51-68.

\*JPRS

On Sets Containing the Largest Number of  
Matchless Boolean Vectors, by V. M. Mikheyev,  
(DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2, 1959,  
pp 69-72.

\*JPRS

Scientific  
Mathematics (Contd)

Algorithmic Difficulties of the  
Synthesis of Minimum Contact  
Circuits, by S. V. Yablonskiy,  
(DC-3225).

RUSSIAN, bk, Problemy Kibernetiki,  
No 2, 1959, pp 75-122.

\*JPRS

Realization of Functions by Superpositions,  
by R. Ye. Krichevskiy, (DC-3225).

RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 123-138.

\*JPRS

Push-Pull Ferrite Transistor Circuits and  
Algebraic Method of Synthesizing Them, by  
M. L. Tsetlin, L. M. Shekhtman, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 139-180.

\*JPRS

One Method of Automatic Programming, by  
V. M. Glushkov, (DC-3225).

RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 181-184.

\*JPRS

Principles of Constructing a Specialized  
Program That Programs, by A. A. Stogniy,  
(DC-3225).

RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 185-189.

\*JPRS

Operative Storage Device Using Cathode-  
Ray Tubes, by A. N. Myamlin, V. K. Smirnov,  
(DC-3225).

RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 191-202.

\*JPRS

Scientific  
Mathematics (Contd)

A Bioelectric Control System, by  
M. G. Breydo, V. S. Gurfinkel', A. Ye.  
Kobrinskiy, A. Ya. Sysin, M. L. Tsetlin,  
Ya. S. Yakobson, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 203-212.

\*JPRS

Statisticality and Principle of the Amplifier  
in Biology, by N. V. Timofeyev-Resovskiy,  
R. R. Rompe, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 213-228.

\*JPRS

Study of Extrapolation Reflexes in Animals,  
by L. V. Krushinskiy, (DC-3225).  
RUSSIAN, bk, Problemy Kibernetiki, No 2,  
1959, pp 229-282.

\*JPRS

Functional Constructions in k-Valued Logic,  
by S. V. Yablonskiy, (NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 5-142.

\*JPRS

On the Separability of Subsets of Vertices of  
an n-Measurable Unit Cube, by Yu. I. Zhuravlev,  
(NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 143-157.

\*JPRS

Possibilities of Synthesis of Circuits Made  
of Arbitrary Elements, by O. B. Lupanov,  
(NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 158-173.

\*JPRS

On One Property of Functions Being Realized  
by Nonplanar Nonrepetitive Circuits, by A. V.  
Kuznetsov, (NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 174-185.

\*JPRS

Scientific  
Mathematics (Contd)

On Nonrepetitive Contact Circuits and  
Nonrepetitive Superpositions of Func-  
tions of Algebraic Logic, by A. V.  
Kuznetsov, (NY-3316)  
RUSSIAN, per, Trudy Matemat Inst imeni  
V. A. Steklova, Vol LI, 1958, pp 186-  
225.

\*JPRS

Theory of Nonrepetitive Contact Circuits,  
by B. A. Trakhtenbrot, (NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 226-269.

\*JPRS

Logical Methods of Controlling the Operation  
of Electrical Circuits, by I. A. Chegis, S. V.  
Yablonskiy, (NY-3316).  
RUSSIAN, per, Trudy Matemat Inst imeni V. A.  
Steklova, Vol LI, 1958, pp 270-360.

\*JPRS

Scientific  
Medicine

Peroral Mass Immunization of the Population  
Against Polio With Live Vaccine From Attenu-  
ated A. B. Sabin Strains in the USSR, by  
M. P. Chumakov, M. K. Voroshilova, K. A.  
Vasil'yeva, et al, 26 pp.

RUSSIAN, manuscript, 21 pp.

NIH 11-31

Extrapolation Reflexes in Birds, by L. V.  
Krushinsky, 17 pp.

RUSSIAN, brochure, pp 145-159.

JPRS L-1975-D

The Genesis of the Endocrine Organs in the  
Evolution and Their Relationship to the  
Nervous System, by B. V. Alyeshin.  
RUSSIAN, bk, Evolution of the Functions  
of the Nervous System, publ by State Pub-  
lishing House of Medical Literature,  
Leningrad, 1958, pp 36-44.

Navy 2393/ONI 496a

The Effect of Temperature on the Irritability  
of the Conducting Tissues of Cold Blooded and  
Warm Blooded Animals, by D. N. Nosonov, I. P.  
Suzdal'skaya.

RUSSIAN, bk, Evolution of the Functions of the  
Nervous System, publ by State Publishing House  
of Medical Literature, Leningrad, 1958, pp 45-53.

Navy 2392/ONI 496b

The Problem of Tissue and Substantial Adaptation  
of Poikilothermal Animals to the Temperature  
Habitat of a Species, by B. P. Ushakov.  
RUSSIAN, bk, Evolution of the Functions of the  
Nervous System, publ by State Publishing House  
of Medical Literature, Leningrad, 1958, pp 54-66.

Navy 2391/ONI 496c

On the Morphological Evolution of the Higher  
Branches of the Central Nervous System, by A. I.  
Karamyshev.

RUSSIAN, bk, Evolution of the Functions of the  
Nervous System, publ by State Publishing House  
of Medical Literature, Leningrad, 1958, pp 84-97.

Navy 2390/ONI 496d

Scientific  
Medicine (Contd)

Electrosleep (A Clinical-Physiological Investigation), by V. A. Gil'yarovskiy, N. M. Liventsev, Z. A. Kirillova, Yu. Ye. Segal', (NY-3243).

RUSSIAN, bk, Elektroson (Kliniko-Fiziologicheskoye Issledovaniye), Moscow, 1958, 170 pp.

\*JPRS

Functions of the Organism in Altered Gaseous Environment, 11 pp.

RUSSIAN, bk, Funktsii Organizma v Usloviyakh Izmenennoy Gazovoy Sredy, Moscow/Leningrad, 1955.

AF 1256043

Ionizing Radiations, by N. Yu. Tarasenko, (NY-3364).

RUSSIAN, bk, Gigiyena Truda, 1958, pp 98-109.

\*JPRS

Sanitary Protection of the Environment From Contamination With Radioactive Substances, by A. N. Marzeyev, (DC-3222).

RUSSIAN, bk, Kommunal'naya Gigiyena, Chap XXV, 1958, pp 510-529.

\*JPRS

Acceleration of the Elimination of Radioactive Isotopes From the Organism Under the Effect of Complex-Forming Compounds, by V. S. Balabukha, G. Ye. Fradkin, (NY-3272).

RUSSIAN, bk, Nakopleniye Radioaktivnykh Elementov v Organizme i ikh Vyvedeniye, Moscow, 1958, pp 44-85.

\*JPRS

The Historical Approach in the Study of the Psychology of Man, by A. N. Leont'yev, 47 pp.

RUSSIAN, bk, Cb istoricheskym Pdkhode v Izuchenii Psichiki Chelovka, pp 9-41.

JPRS L-1134-N

Radiobiology, by D. E. Grodzenskiy.

RUSSIAN, bk, Radiobiologiya, 1958, 31 pp.

\*AID

The Development of Soviet Culture Between 1959-1965, by V. D. Terferov, 31 pp.

RUSSIAN, bk, Razvitiye Sovetskoy Kultury v 1959-1965, Moscow, 1959, pp 1-32.

JPRS L-1136-N

Scientific  
Medicine (Contd)

Novocain as a Stimulator of Visceral Receptors, by M. P. Mogendovich, (NY-3273).

RUSSIAN, bk, Reflektornoye Vzaimodey-  
stviye Lokomotornoj i Vistseral'noy  
Sistem, Leningrad, 1958, pp 120-133.

\*JPRS

The Effect of Muscular Reception on the Cardio-Vascular System, by M. P. Mogendovich, (NY-3273).

RUSSIAN, bk, Reflektornoye Vzaimodeystviye  
Lokomotornoj i Vistseral'noy Sistem,  
Leningrad, 1958, pp 243-288.

\*JPRS

Table of Contents, 15 pp.

RUSSIAN, bk, Trudy Vtoroy Vsescouznoy Konferen-  
tsii Onkologov, Leningrad, 1959, pp 892-902.

JPRS L-1116-N

Defense Against Agents of Mass Destruction, by M. Ye. Levin, G. A. Malinin, M. N. Mandrazhitskiy, V. P. Sinitsyn, V. I. Fedorov, 196 pp.

RUSSIAN, bk, Zashchita ot Sredstv Massovogo  
Porazheniya, Moscow, Uchpedgiz, 1958, pp 1-116, 135-183.

JPRS 964-D

The History of the Chair of Normal Anatomy of the Military Medical Academy imeni S. M. Korov (160th Anniversary of the Academy), by V. V. Ginzburg, 16 pp.

RUSSIAN, per, Arkhiv Anatomii Gistol i  
Embriol, No 1, 1959, pp 90-98.

JPRS L-1952-D

New Data on the Structure of Living and Survived Neurons and Interneuronal Connections, by V. N. Mayorov, 15 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistol  
i Embriologii, Vol XXXVI, No 6, 1959,  
pp 3-10.

JPRS L-1031-N

Gastrointestinal Tract Tumors in Monkeys After Prolonged Cholesterin Administration, by B. A. Lapin, L. A. Yakovleva, (NY-3270).

RUSSIAN, per, Arkhiv Patologii, Vol XXI,  
No 10, 1959, pp 25-30.

\*JPRS

Scientific  
Medicine (Contd)

Man, Color, and Production, by M. Botneva,  
E. Raykhman, 8 pp.

RUSSIAN, per, Dekorativnoye Iskusstvo SSSR,  
No 3, 1959, pp 25-27.

JPRS L-1138-N

Nutrition and Course of Spermatogenesis on  
Male Ixodid Ticks, by Yu. S. Balashov, 5 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CX, No 6,  
1956, pp 1133-1136.

NIH 11-47

Preliminary Data on Experimental Electro-  
narcosis Induced With Apparatus of the Scien-  
tific Research Institute of Experimental  
Surgical Apparatus and Instruments, by M. G.  
Anan'ev, I. V. Golubeva, E. V. Gurova, et al,  
13 pp.  
RUSSIAN, per, Eksper Khirurgiya, No 4, 1957,  
pp 3-7.

NIH Ab 2267

New Norms of Allowable Content of Toxic  
Gases, Vapors, and Dust in the Air of In-  
dustrial Premises, by Z. B. Smelyanskiy,  
I. P. Ulanov, (DC-3223).  
RUSSIAN, per, Gig Truda i Professional  
Zabol, Vol III, No 5, Sep-Oct 1959, pp 7-15.

\*JPRS

Hygiene of Work in the Use of Insectofungicides  
in Agriculture, by L. I. Medved'.  
RUSSIAN, per, Gosud Iz Med Literatury, 1958,  
T of C, partial, pp 3-8, 175-184. 9045123

USDA

On Certain Problems of Gerontology, by N. N.  
Gorev, D. F. Chebotarev, 8 pp.  
RUSSIAN, per, Klin Med, Vol XXXVII, No 9, 1959,  
pp 11-15.

JPRS L-1103-N

Sportsmen Pilots' Diet.  
RUSSIAN, per, Kryl'ya Rodiny, No 10, 1959, p 31.

\*AID

Natural Foci of Infection of Some Helminthoses,  
by Ye. S. Leikina, 30 pp.  
RUSSIAN, per, Med Parazitologii i Parazitarnye  
Bolezni, Vol XXVI, 1957, pp 140-152.

NIH 146

Scientific  
Medicine (Contd)

On Scientific-Research Work in the Institutes of the Republic of Czechoslovakia, by L. N. Yakhontov, V. V. Kolpakova, Yu. N. Sheynker, D. T. Pervacheva, (NY-3314). RUSSIAN, per., Med Prom SSR, Vol XIII, No 11, 1959, pp 55-58.

\*JPRS

The Influence of Varying Doses of Ionizing Radiation on the Morphology of the Animal Brain After Total-Body Irradiation, by M. M. Aleksandrovskaya, 5 pp. RUSSIAN, per, Med Radiol, No 8, 1958, pp 79-81.

JPRS L-1098-N

The Influence of Penetrating Radiation on the State of the Higher Nervous Activity in Animals, by V. P. Baskakov, 7 pp. RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959, pp 10-13.

JPRS L-1092-N

Concerning Certain Mechanisms of the Influence of Low Doses of Chronic Total-Body X-Irradiation on the Higher Nervous Activity and Certain Vegetative Functions of White Rats, by L. G. Samoylova, 8 pp. RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959, pp 13-17.

JPRS L-1093-N

Chain Reactions in Liver Lipids After Radiation Injury, by A. I. Zhuravlev, Ye. E. Ganassi, 9 pp. RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959, pp 32-37.

JPRS L-1094-N

Primary Toxicity in Acute Radiation Sickness, by Ye. D. Buglov, S. I. Dovgalev, V. G. Karavayev, 9 pp. RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959, pp 37-41.

JPRS L-1095-N

Further Study of the Problem of the Influence of Ionizing Radiation on the Antigenic Properties of Proteins, by V. A. Artamonova, 9 pp. RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959, pp 42-48.

JPRS L-1096-N

Scientific  
Medicine (Contd)

Radiation Injuries of the Ovaries, by  
M. N. Pobedinskiy, 17 pp.  
RUSSIAN, per, Med Radiol, Vol IV, No 8,  
1959, pp 72-78.

JPRS L-1097-N

Problems of Radiation Genetics at the Con-  
ference on "Heredity and Problems in Human  
Pathology," by V. N. Benevolenskiy, 3 pp.  
RUSSIAN, per, Med Radiol, Vol IV, No 8,  
1959, pp 92, 93.

JPRS L-1099-N

Scientific Conference on "Certain Biochemical  
Effects Caused by Ionizing Radiation," by  
S. Ye. Manoylov, 6 pp.  
RUSSIAN, per, Med Radiol, Vol IV, No 8, 1959,  
pp 93-95.

JPRS L-1100-N

The Sensitivity of the Nervous System to Low  
Radiation Doses, by M. N. Livanov, I. N.  
Kondrat'yeva, 19 pp.  
RUSSIAN, per, Med Radiol, No 9, 1959, pp 3-12.

JPRS L-1118-N

Certain Clinical and Therapeutic Problems of  
Acute Radiation Sickness in Monkeys, by A. A.  
Bagdasarov, M. O. Raushenbakh, G. V. Sukyasyan,  
G. M. Abdullaev, M. N. Novikova, N. Ya.  
Lagutina, N. L. Samoilina, G. A. Chernov, 14 pp.  
RUSSIAN, per, Med Radiol, No 9, 1959, pp 17-24.

JPRS L-1150-N

Prophylactic Use of Certain Sulfur Containing  
Substances in Experimental Radiation Affections,  
by Ye. A. Mukhin, 8 pp.  
RUSSIAN, per, Med Radiol, No 9, 1959, pp 29-33.

JPRS L-1149-N

Hygienic Problems of Medical Radiology, by  
F. G. Krotkov, 5 pp.  
RUSSIAN, per, Med Radiol, No 9, 1959, pp 63-65.

JPRS L-1148-N

The Belorussian Republic Scientific-Technical  
Conference on the Use of Radioactive Isotopes  
and Radiations in the National Economy and  
Science, by M. G. Shitikova, 5 pp.  
RUSSIAN, per, Med Radiol, No 9, 1959, pp 91, 92.

JPRS L-1147-N

Scientific  
Medicine (Contd)

Certain Histochemical Studies of Blood Cells in Acute Radiation Sickness, by V. A. Gubin, (NY-3271).  
**RUSSIAN, per, Med Radiol, Vol IV, No 10, 1959, pp 3-8.**

\*JPRS

Changes in Permeability of Vascular Barriers Following the Action of Ionizing Radiation on the Organism, by N. V. Butomo, (NY-3271).  
**RUSSIAN, per, Med Radiol, Vol IV, No 10, Moscow, 1959, pp 9-13.**

\*JPRS

The Change in Certain Physico-Chemical Properties of Blood Plasma Proteins in Animals During Acute Radiation Sickness, by K. V. Gordeyeva, A. S. Mozzhukhin, (NY-3271).  
**RUSSIAN, per, Med Radiol, Vol IV, No 10, Moscow, 1959, pp 13-17.**

\*JPRS

The Effect of Irradiation on the Course of the Vaccinal Process Caused by the Administration of Live Brucellosis Vaccine to Animals, by Z. V. Shevtsova, (NY-3271).  
**RUSSIAN, per, Med Radiol, Vol IV, No 10, Moscow, 1959, pp 46-53.**

\*JPRS

Characteristics of the Course of Combined Affections Caused by the Action of Ionizing Radiation and Burn Trauma, by A. L. Komendantova, Ye. A. Khrushcheva, K. V. Botsmanov, O. P. Kokorina, O. A. Yuchenkova, (NY-3271).  
**RUSSIAN, per, Med Radiol, Vol IV, No 10, Moscow, 1959, pp 54-58.**

\*JPRS

Psychology at the Service of the Upbringing and Education of Children, by N. Talyzina, 15 pp.  
**RUSSIAN, per, Narodnoye Obrazovaniye, No 4, 1959, pp 107-111.**

JPRS L-1111-N

The Treatment of Radiation Sickness, by A. A. Gorodetskiy, Ye. Ye. Chebotarev, 15 pp.  
**RUSSIAN, per, Nov Khir Arkh, No 4, Jul/Aug 1959, pp 3-12.**

JPRS L-1110-N

Scientific  
Medicine (contd)

Russia's Pathophysiology on the 40th Anniversary of October, by Prof S. M. Pavlenko, 25 pp.

RUSSIAN, per, Patol Fiz i Eksper Terapiya, No 5, 1957, pp 3-12.

NIH S-33

The Use of Bone Marrow in the Compound Treatment of Radiation Sickness, by I. R. Petrov, I. V. Il'inskaya, 8 pp.

RUSSIAN, per, Patol Fiz i Eksper Terapiya, Vol III, No 5, Sep/Oct 1959, pp 65-69

JPRS L-1956-D

Hemobarostat -- An Apparatus for Maintaining Arterial Pressure at a Constant Level, by Z. T. Samoylova, M. Ye. Rayskina, (NY-3313).

RUSSIAN, per, Patol Fiz i Eksper Terapiya, Vol III, No 6, Nov-Dec 1959, pp 65-68.

\*JPRS

Simplified Technique of Removal of Parametrial Tissue in the Wertheim-Gubarev Operation, by G. I. Pavsha, 9 pp.

RUSSIAN, per, Pediatriya, Akusherstvo i Ginekologiya, No 6, 1955, pp 54-57.

NIH Ab 1516

Reactions of the Central Nervous System to Loss of Blood in the Third Stage of Labor, by L. T. Volkova, 11 pp.

RUSSIAN, per, Pediatriya, Akusherstvo i Ginekologiya, No 5, 1956, pp 49-53.

NIH Ab 1476

Urinary Levels of Pregnanediol in Women With Dystocia, by T. Ya. Kalinichenko, 7 pp.

RUSSIAN, per, Pediatriya, Akusherstvo i Ginekologiya, No 2, 1957, pp 46-48.

NIH Ab 391

Features of Vasoreflex Reactions in Cases of Late Pregnancy Toxemias, by G. Ya. Bratushchik, 8 pp.

RUSSIAN, per, Pediatriya, Akusherstvo i Ginekologiya, No 4, 1957, pp 43-45.

NIH Ab 3315

Scientific  
Medicine (Contd)

Brain Development of Animals Irradiated  
by Roentgen Rays at Early Stages of Extra-  
uterine Life, by Ye. N. Kosmarskaya, Yu.  
I. Barashnev, (NY-3318).

RUSSIAN, per, Pediatriya, Vo' XXXVII,  
No 11, 1959, pp 33-37.

\*JPRS

Characteristics of the Reaction of a Growing  
Organism to the Effect of X-Rays, Experimentally,  
by K. A. Moskacheva, (NY- 3318).

RUSSIAN, per, Pediatriya, Vol XXXVII, No 11,  
1959, pp 38-41.

\*JPRS

New Developments in the Study of Nervous  
Activity, by L. N. Molodkina, 5 pp.

RUSSIAN, per, Priroda, Vol XLVIII, No 4,  
1959, pp 97-99.

JPRS L-1102-N

Problems in the Study of the Theory and  
History of Medicine in the USSR in the Light  
of the Decisions of the 21st Congress of the  
Communist Party of the Soviet Union, by M. I.  
Barsukov, 14 pp.

RUSSIAN, per, Sovet Med, Vol XXIII, No 7,  
1959, pp 3-12.

JPRS L-1114-N

Use of Antibiotics for Diseases of Respiratory  
Organs, by V. I. Mutovin.

RUSSIAN, per, Sovrem Metody Primeniya Anti-  
biotikov v Veterinarii, 1958, pp 97-106.  
9045141.

USDA

Method for the Preparation of the Aluminum  
Hydroxide Anti-Anthrax Vaccine and Tests of  
the Results of Its Preparation at Large, by  
S. G. Kolesov, N. A. Mikhailov, Yu. F.  
Borisovich.

RUSSIAN, per, Trudy Gosud Nauchno-Kontrol  
Inst Vet Preparatov, No 7, 1957, pp 194-200.  
9045144.

USDA

Scientific  
Medicine (Contd)

Thematic Plan for Medgiz Publications  
in 1960, by V. I. Mayevskiy, (NY-3319).  
RUSSIAN, per, Vest Ak Med Nauk, Vol XIV,  
No 11, 1959, pp 46-51.

\*JPRS

On Certain Biological Investigations in  
Medicine, by I. N. Mayskiy, M. S. Lomakin,  
(NY-3319).  
RUSSIAN, per, Vest Ak Med Nauk, Vol XIV,  
No 11, 1959, pp 51-61.

\*JPRS

Survey of the Problem-Thematic Plan in the  
Field of Neuropathology Throughout the Soviet  
Union for 1959, (NY-3319).  
RUSSIAN, per, Vest Ak Med Nauk, Vol XIV,  
No 11, 1959, pp 62-72.

\*JPRS

Certain Differences in the Tularemia Pathogen  
in the Old and New World, by N. G. Olsuf'yev,  
O. S. Yemel'yanova, T. N. Dunayeva, 13 pp.  
RUSSIAN, per, Vest Ak Nauk, Vol XIV, No 6,  
1959, pp 51-58.

JPRS L-1015-N

Discussion on Cybernetic Problems by the Academy  
of Sciences Kazakh SSR, 9 pp.  
RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR, No 6,  
1959, Alma-Ata, pp 99-103.

JPRS 1052-D

The Problem of the Category of Social Existence,  
by V. P. Tugarinov, 9 pp.  
RUSSIAN, per, Vest Leningrad U, Ser Ekon,  
Filosofii i Prava, Vol XIV, No 5, Leningrad,  
1959, pp 44-50.

JPRS L-1125-N

Some Data on Echinopsin Alkaloid Treatment of  
Patients for Chronic Radiation Sickness, by  
G. P. Gubina, L. M. Omel'yanenko, (NY-3280).  
RUSSIAN, per, Vest Rentgenologii i Radiol,  
Vol XXXIV, No 5, 1959, pp 29-33.

\*JPRS

Scientific  
Medicine (Contd)

The Effect of Ionizing Radiation on Progeny Following Irradiation of Animals During the Last Days of Pregnancy, by Ye. A. Znukova, M. Ya. Chaykovskaya, S. L. Petrosyan, (NY-3280). RUSSIAN, per, Vest Rentgenologii i Radiol, Vol XXXIV, No 5, Moscow, 1959, pp 34-41.

\*JPRS

Paratyphoid in Sheep and Calves as a Result of Aerogenic Infection, by P. I. Pritulin. RUSSIAN, per, Veterinariya, Vol XXXVI, No 9, 1959, pp 26, 27. 9045147

USDA

Effect of Dispersed Substances (Dusts) on the Organism of Animals, by G. S. Nazarov. RUSSIAN, per, Veterinariya, Vol XXXVI, No 9, 1959, pp 54-60. 9045148

USDA

Stachybotryotoxicosis of Cattle and Its Therapy, by V. A. Fortushnyi, A. M. Govorov, I. Z. Tsybenko, A. S. Boichenko, E. T. Kalitenko. RUSSIAN, per, Veterinariya, Vol XXXVI, No 9, 1959, pp 67-70. 9045149

USDA

...al Importance of the Use of Physical and Chemical Methods in Biological Research on the Study of Vital Phenomena, by I. N. Mayskiy, 10 pp. RUSSIAN, per, Voprosy Filosofii, No 4, 1959, pp 133-138.

JPRS L-1084-N

The American Way of Life Before the Court of Materialist Psychology and Psychiatry, by S. A. Petrushevskiy, N. S. Mansurov, 13 pp. RUSSIAN, per, Voprosy Filosofii, No 4, 1959, pp 156-161.

JPRS L-1085-N

Prospectus of "Voprosy Filosofii" for the Next Two to Three Years, 26 pp. RUSSIAN, per, Voprosy Filosofii, No 4, 1959, pp 182-190.

JPRS L-1083-N

Scientific  
Medicine (Contd)

Account of the Joint Sessions of the Scientific Councils of the Oncological Institutes of Moscow and Leningrad (USSR) and Warsaw, Krakow, and Gliwice (Polish Peoples Republic), by B. D. Kaufman, V. V. Gorodilova, T. V. Shemyakina, Ye. A. Tsel', (NY-3299). RUSSIAN, per, Voprosy Onkologii, Vol V, No 10, Leningrad, 1959, pp 498-505.

\*JPRS

First Congress of the Society of Psychologists, by M. V. Sokolov, (NY-3298). RUSSIAN, per, Voprosy Psichologii, No 5, 1959, pp 170-180.

\*JPRS

Changes in Blood Oxygenation Depending on Pressure Suit Effectiveness, 3 pp. RUSSIAN, per, Voyenno-Med Zhur, No 5, 1959, pp 29-32.

AF 1256075

Antiepidemic and Hygienic Work in the Soviet Army and Navy, 7 pp. RUSSIAN, per, Voyenno-Med Zhur, No 8, 1959, pp 7-10.

JPRS L-1935-D

Changes in the Urinary System in Carcinoma of the Uterine Cervix, by L. S. Evseyenko, 7 pp. RUSSIAN, per, Yrachebnoe Delo, No 6, 1957, pp 619-622.

NIH Ab 1595

Infection Psychoses, by T. P. Simson, 15 pp. RUSSIAN, per, Zhur Nevropatol i Psichiat imeni S. S. Korsakova, Vol LVI, No 5, 1956, pp 389-394.

NIH 160

The System and Forms of Training Physician-Psychiatrists and Neuropathologists in the USSR, by M. G. Savchenko, (NY-3347). RUSSIAN, per, Zhur Nevropatol i Psichiat imeni S. S. Korsakova, Vol LIX, No 10, 1959, pp 1253-1255.

\*JPRS

Scientific  
Medicine (Contd)

Certain Problems of the Reconstruction of  
the Teaching of Psychiatry, by A. N.  
Shogam, (NY-3347).

RUSSIAN, per, Zhur Mvropatol i Psichiat  
imeni S. S. Korsakova, Vol LIX, No 10,  
1959, pp 1256-1258.

\*JPRS

A List of Chinese Ticks, by Pao-ling Luh,  
Wei-chu Woo, 29 pp.

CHINESE, per, Journal of Entomology, Vol I,  
No 2, 1950, pp 195-222.

NIH 11-49

Researches on the Electro-Physiology of  
Vision in Communist China, by Chang Hsiang-  
t'ung, 8 pp.

CHINESE, per, K'o-hsueh T'ung-pao, No 16,  
Peiping, 26 Aug 1959, pp 505-507.

JPRS 1085-D

China's Achievements in Pavlov's Theory  
During the Past Decade, by Chao I-ping,  
(DC-3221).

CHINESE, per, Sheng-wu-hsueh T'ung-pao,  
No 10, Peiping, 2 Oct 1959, pp 468-471,  
475.

\*JPRS

The Effect of Anticholinergic Substances  
on Gastric Secretions in Dogs, by J. Metys,  
Z. Votava, (NY-3348).

CZECH, per, Casopis Lekaru Ceskych, Vol  
XCVIII, No 47, 20 Nov 1959, pp 1452-1456.

\*JPRS

Simple Method for Determination of Trichlo-  
rethanol in Urine, by D. Vlachova, 10 pp.

CZECH, per, Pracovni Lekarstvi, Vol VIII,  
1956, pp 433-435.

NIH 11-24.

Determination of Largactil in the Biologic  
Fluids. Study of the Passage in the Animal  
Organism, by P. Dubost, S. Pascal, 10 pp.

FRENCH, per, Ann Pharmaceut Franc, Vol XI,  
1953, pp 615-620.

NIH 11-2

Scientific  
Medicine (Contd)

The Detection in the Electron Microscope  
of Regularly Arranged Protein Granules  
in the Vitellin Particles of the Plan-  
orbis Egg. The Problem of Their Con-  
trast in the Electron Microscope and of  
Osmiophilia, by P. Favard, N. Carasso,  
6 pp.

FRENCH, per, Comptes Rendus des Seances  
de l'Academie des Sciences, Vol CCXLV,  
No 26, 1957, pp 2547-2550.

NIH 11-27

Contribution to the Study of the Effect of  
Adrenalin on the Emotions, by Prof G. Maranon,  
36 pp.

FRENCH, per, Rev Franc d'Endocrinol, Vol II,  
1924, pp 301-325.

NIH 11-43

On the Founding of a European Academy for  
Aerospace Medicine, 9 pp.  
GERMAN, rpt, 1959.

AF 1266040

Problems of Experimental Cancer Research,  
by A. Graffi, H. Bielka, 6 pp.  
GERMAN, bk, Probleme der Experimentellen  
Krebsforschung, 1959, pp 463-467.

NIH 11-12

Cultivation Experiments With Free Exudate  
Cells, by H. Hirschfeld, 6 pp.  
GERMAN, per, Arch fuer Exp Zellforsch,  
Vol IV, No 3, 1927, pp 438-441.

NIH 11-22

The Pharmacological Action of Promazine,  
by Prof Dr W. Wirth, 23 pp.  
GERMAN, per, Arzneim Forsch, Vol VIII,  
1958, pp 507-511.

NIH 11-44

An Electron Microscopic Study of Scleroderma,  
Together With a Contribution to the Study  
of Skin Connective Tissue, by G. F. Bahr,  
13 pp.  
GERMAN, per, Arztliche Forschung, Vol X, No 6,  
pp 255-266.

NIH 11-26

Scientific  
Medicine (Contd)

The Rate of Shortening and the Efficiency  
of the ATP Cleavage During the Contraction  
of the Fiber Model. First Report, by  
G. Ulbrecht, M. Ulbrecht, 18 pp.  
GERMAN, per, Biochim Biophys Acta, Vol XI,  
1953, pp 138-146.

NIH 11-4

On the Problem of Large Mononucleates, by  
L. Aschoff, Kyoto, 12 pp.  
GERMAN, per, Folia Haematologica, Vol XV,  
No 3, 1913, pp 383-390.

NIH 11-5

Contribution to the Knowledge and Comprehension  
of Mixed Liver Tumors and Unilateral Giant  
Growth, by F. Roth, 66 pp.  
GERMAN, per, Frankfurter Z fuer Pathologie,  
Vol LII, No 2, 1938, pp 163-196.

NIH 11-16

Congenital Immunological Paralysis With Absence  
of Specific  $\gamma_2$  Globulins and Quantitatively  
Normal Gamma Globulins, by A. Giedion, J. J.  
Scheidegger, 33 pp.  
GERMAN, per, Helv Paediatr Acta, Vol XII,  
1957, pp 241-258.

NIH 11-6

Electron Microscopic Detection of Viruses in  
Human Papillomas of the Larynx, by H. Meesson,  
H. Schulz, 3 pp.  
GERMAN, per, Klin Wochenschrift, Vol XXXV, No 15,  
1957, pp 771-773.

NIH 11-29

The Formation of Biologically Active Substances  
in the Blood Upon Experimental Sensitization  
(Model Experiment on the Origin of Tissue Damage  
in Rheumatic Fever), by F. Kuster, F. J. Schulte,  
10 pp.  
GERMAN, per, Klin Wochenschrift, Vol XXXV, No  
17, 1957, pp 886-888.

NIH 11-33

Reversible Virus Inactivation With SH-Inhibitors  
and Immunization, by F. Schmidt, 3 pp.  
GERMAN, per, Die Naturwissenschaften, Vol XLIII,  
No 22, 1956, pp 522, 523.

NIH 11-34

Scientific  
Medicine (Contd)

Studies on the Role Played by Nucleic  
Acids in the Activity of the Rous Virus,  
by E. Bielka, A. Graffi, 5 pp.  
GERMAN, per, Die Naturwissenschaften,  
Vol XLV, No 13, 1958, p 320.

NIH 11-9

Effect of Carcinogenic Hydrocarbons on  
Chromobacterium Violaceum, by A. Graffi,  
D. Fritz, 4 pp.  
GERMAN, per, Die Naturwissenschaften,  
Vol XLV, No 13, 1958, pp 320, 321.

NIH 11-14

Further Research on the Immunological Char-  
acteristics of the Myelotic Mouse Leukemia  
Agent, by A. Graffi, F. Fey, F. Hoffmann,  
4 pp.  
GERMAN, per, Die Naturwissenschaften, Vol  
XLV, No 19, 1958, p 471.

NIH 11-13

Influencing Myelotic Filtrate Leukemia of  
Mice Through Splenectomy, by F. Fey,  
A. Graffi, 4 pp.  
GERMAN, per, Die Naturwissenschaften,  
Vol XLV, No 19, 1958, pp 471, 472.

NIH 11-11

The Partial Anaerobiosis of Cancer Cells and  
the Effects of Roentgen Irradiation on Cancer  
Cells, by O. Warburg, et al, 15 pp.  
GERMAN, per, Die Naturwissenschaften, Vol XLVI,  
1959, pp 25-29.

NIH 11-21

The Biochemistry of Receptors, and Resistance  
Factors, by R. Kuhn, 7 pp.  
GERMAN, per, Die Naturwissenschaften, Vol  
XLVI, No 25, 1959, pp 43-50.

NIH 11-32

The Structure of Antigens and the Nature of  
Immunological Specificity, by O. Westphal,  
10 pp.  
GERMAN, per, Die Naturwissenschaften, Vol  
XLVI, No 25, 1959, pp 50-59.

NIH 11-35

Scientific  
Medicine (Contd)

Reaction of the Smooth Musculature of the Renal Vessels to Distention and Its Significance for the Autoregulation of Renal Circulation, by K. Thurau, K. Kramer, 24 pp.  
GERMAN, per, Pflugers Archiv, Vol CCLVIII, No 3, 1959, pp 188-203.

NIH 11-37

Further Studies on the Myogenic Nature of the Autoregulation of Renal Circulation. Elimination of Autoregulation by Musculotropic Substances and Pressure-Passive Behavior of the Glomerular Filtrate, by K. Thurau, K. Kramer, 27 pp.  
GERMAN, per, Pflugers Archiv, Vol CCLXIX, No 1, 1959, pp 77-93.

NIH 11-36

Cerebellar Hemangioblastoma With Polycythemia, by R. Schmid, L. A. French, 8 pp.  
GERMAN, per, Schweiz Mediz Woch, Vol LXXXV, No 52, 1955, pp 1274-1276.

NIH 11-8

Metabolism and Accumulation of Verophen(R) in the Body of the Rat, by B. Duhm, L. Koester, W. Maul, H. Medenwald, 4 pp.  
GERMAN, per, Z. fuer Naturforschung, Vol XIIIb, 1958, pp 756, 757.

NIH 11-3

Detection of Thyroxamine in Thyroid and Plasma, by G. Hillmann, B. Keil, P. Taslimi, 4 pp.  
GERMAN, per, Z. fuer Naturforschung, Vol XIIIb, No 12, 1958, pp 820, 821.

NIH 11-7

Observations on Silicosis in Foundries, by H. J. Schmid.  
GERMAN, per, Z. fuer Unfallmedizin u Berufskrankheiten, Sep 1958, pp 221-231.

\*BISI 1517

Scientific  
Medicine (Contd)

Light and Electron Microscopic Studies  
of the Renal Corpuscles of the Greek  
Land Turtle (*Testudo Graeca L.*), by  
A. Thiel, 42 pp.

GERMAN, per, Z. fuer Zellforschung und  
Mikroskopische Anatomie, Vol XLVII,  
1958, pp 288-319.

NIH 11-30

Electron Microscopic Studies on the Epidermis.  
I. Rat's Paw, by E. Horstmann, A. Knoop,  
21 pp.

GERMAN, per, Z. fuer Zellforschung und Mikro-  
skopische Anatomie, Vol XLVII, 1958, pp 348-362. NIH 11-28

Several Problems Connected With the Chemical  
Disinfection of Air, by Janos Neridsany,  
(NY-3349).

HUNGARIAN, per, Gyogyszereszet, No 6, 1959,  
pp 222-225.

\*JPRS

Report No 6. Etiologic Agents of Minamata  
Disease, by M. Uchida, T. Iomue, K. Hira-  
kawa, 4 pp.

JAPANESE, rpt, 20 Aug 1959, pp 9-11. NIH 11-42

Report No 7. Effect on Vitamin B<sub>6</sub> and Dia-  
mine Oxidase on Minamata Disease, by  
E. Sebe, 3 pp.

JAPANESE, rpt, 20 Aug 1959, pp 11, 12. NIH 11-41

Report No 8. Relation Between Minamata  
Disease and Contamination in Manamata Bay.  
Summary of Reports on the Study of Minamata  
Disease, by K. Irukayama, 3 pp.

JAPANESE, rpt, 20 Aug 1959, pp 12, 13. NIH 11-38

Report No 9. Further Studies on Minamata  
Disease, by K. Miyagawa, 3 pp.

JAPANESE, rpt, 20 Aug 1959, pp 13-14. NIH 11-40

Scientific  
Medicine (Contd)

On Histological Changes of Adrenal  
Cortex Following Administration of  
Several Antitumor Substance, by

S. Uminoto, 3 pp.  
JAPANESE, per, Gann, Vol XLIX, 1959,  
pp 81, 82. (Supplement)

NIH 11-20

Biochemical and Histochemical Studies on  
DAB-Hepatocarcinogenesis in Rats, by  
T. Ebina, K. Sato, N. Okamura, A. Watanabe,  
3 pp.  
JAPANESE, per, Gann, Vol XLIX, 1959, pp  
100, 101. (Supplement)

NIH 11-10

Studies on the Mechanism of Carcinogenesis  
by Aminoazo Dyes. I. Metabolism of Di-  
methylaminoazobenzene (DAB) and Carcino-  
genesis, by H. Terayama, 3 pp.  
JAPANESE, per, Gann, Vol XLIX, 1959,  
pp 101, 102. (Supplement)

NIH 11-18

The Metabolism of Diphosphopyridine  
Nucleotide in Tumor-Bearing Animals,  
by T. Tomaru, T. Ono, 3 pp.  
JAPANESE, per, Gann, Vol XLIX, 1959,  
pp 132, 133. (Supplement)

NIH 11-19

Achievement of the Institute of Pathology  
and Hygiene During the First Decade of  
Scientific Activity, 8 pp.  
RUMANIAN, per, Probleme Zootehnice si  
Veterinare, No 5, Bucharest, 1959,  
pp 19-25.

JPRS L-1965-D

Development and Achievements of the Pasteur  
Institute for Production of Serum and Vaccines  
Following the Liberation of Rumania, 10 pp.  
RUMANIAN, per, Probleme Zootehnice si Veter-  
inare, No 8, Bucharest, 1959, pp 25-30.

JPRS L-1965-D

Scientific  
Medicine (Contd)

Plastic Ampoules for Smallpox Vaccine,  
by Ake Espmark, 10 pp.  
SWEDISH, per, Svenska Laekartidningen,  
Vol LV, No 40, 1958, pp 2745.

ID 2121429

Elimination of Radioactive Strontium From  
the Organism Under the Influence of Certain  
Complex-Forming Compounds, by O. A. Khomutov-  
skiy, (NY-3312).  
UKRAINIAN, per, Fiziol Zhurnal, Vol V,  
No 5, Sep-Oct 1959, pp 670-678.

\*JPRS

Carnitine and Its Role in Metabolism  
(Vitamin BT of Group B), by A. I. Silakova.  
UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXX,  
No 4, 1958, pp 604-639.

DSIR LLU RTS 1087

Scientific  
Minerals/Metals

Annual Report on Mineral Resources USSR  
for 1925-1926, by I. I. Ginsburg.  
RUSSIAN, rpt, Geological Committee,  
Leningrad, 1927, pp 697-702.

CCT-153B

Engineering Calculation Methods for  
the Technological Processes in Pressure  
Forming of Metals, by V. S. Smirnov, 269 pp.  
RUSSIAN, bk, Inzhenernyye Metody Rascheta  
Tekhnologicheskikh Protsessov Obrabotki  
Metallov Davleniyem, Gos. Nauchnotekhn.  
Izd-vo Mashinostrost. Lit-ry (Nauchno-  
Tekhnicheskaya ob Shchestvo Mashinostroit  
Tel'noy Promyshlennosti. Leningradskoye  
Oblastnoye Pravkniye, Moscow, 1957, 214 pp.

ATIC F-TS-9822/V

Chromium Carbide as a Basis for Hard Metals  
Having Special Properties, by V. V. Grigor'eva,  
V. N. Klimenko, T. Ya. Kosolapova.  
RUSSIAN, bk, Problems of Powder Metallurgy and  
Strength of Materials, 1958, pp 79-89.

HB 4669

Metallurgy of Nickel, by A. A. Tseydler, 21 pp.  
RUSSIAN, bk, Metallurgiya Medi i Nikelya,  
Moscow, 1958, pp 357-360, 369-381.

JPRS L-1951-D

Metallurgy USSR 1917-1957, by I. P. Bardin.  
RUSSIAN, bk, Metallurgiya SSSR 1917-1957,  
Vol II, 1959, 700 pp.

\*ATIC MCL-455/V

Problems of Metallography and Physics of  
Metals.  
RUSSIAN, bk, Problemy Metallovedeniya i  
Fiziki Metallov, 1959, pp 100-116; 117-136;  
169-186; 187-190.

\*ATIC MCL-457/III

Diffusion Processes in Alloys, by L. M.  
Mirskiy.  
RUSSIAN, bk, Protsessy Diffuzii v Splevakh,  
Moscow, 1959, 122 pp.

\*ATIC MCL-459/V

Scientific  
Minerals/Metals (Contd)

Welding of Chrome-Nickel Austenite Steels,  
by B. I. Medovar.

RUSSIAN, bk, Svarka Khromonikalevykh  
Austenitnykh Stalej, Kiev, Moscow, 1958,  
340 pp.

\*ATIC MCL-458/v

Nature and Mechanism of Formation of Surface  
Layer on Arsenic-Containing Steel, by P. I.  
Kuleshov, I. I. Chaika.  
RUSSIAN, per, Fiz Metal i Metallov, Vol VII,  
No 1, 1959, pp 91-94.

HB 4682

The Influence of the Kinetics of the Coke  
Combustion Process on the Dimensions of the  
Oxidation Zone in a Blast Furnace, by M. Ya.  
Ostroukhov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 6, 1958, pp 3-6.

BISI 1526

Mechanism of Desulphurization of Hot Metal  
With Solid Lime, by M. I. Gromov, L. M.  
Tsylev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Metall Toplivo, No 3, 1959, pp 25-28.

HB 4758

Effect of Primary Structure of Steel on  
Propensity to Hot Tearing, by O. D. Moldav-  
skiy, A. P. Pronov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Metall Toplivo, No 3, 1959, pp 47-51.

HB 4756

Investigation of the Variation of the Thermo-  
electromotive Force of Nickel-Palladium Alloys  
in Longitudinal and Transverse Magnetic Fields,  
by R. G. Annayev, S. Yazlyev.  
RUSSIAN, per, Iz Ak Nauk Turkmeneskoy SSR, No 6,  
1957, pp 3-8.

Navy 2384/NRL 760

Investigation of the Temperature Dependence of  
the Longitudinal Galvanomagnetic Effect of  
Nickel-Palladium Alloys, by G. Myalikgulyev.  
RUSSIAN, per, Iz Ak Nauk Turkmeneskoy SSR, No 1,  
1959, pp 104-110.

Navy 2386/NRL 762

Scientific  
Minerals/Metals (Contd)

Points of Flake Formation in Hypereutectoid Steel, by I. E. Brainin, S. I. Shapovalov.  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Chern Metal, Jun 1959, pp 81, 82. HB 4763

Use of Molybdenum Sulfide as Lubricant for Cold Rolling of Tubes, by I. M. Pavlov, et al.  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Chern Metal, No 7, 1958, pp 191-193. HB 4678

On Laws in Process of Coagulation of Carbide Particles in Steel Above Point A, by V. I. Psarev.  
RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Chern Metal, No 2, 1959, pp 93-99. \*ATIC MCL-456/III

Chemically Stable Metals and Metal Alloys, by I. I. Kornilov, 27 pp.  
RUSSIAN, per, Khim Nauka i Prom, 1957, pp 238-245. 651301 ATIC MCL-155/III

The Effect of the Composition of Steel on the Formation of Hot Cracks in Forging, by N. A. Trubitsyn, P. N. Biduliya.  
RUSSIAN, per, Lit Proiz, No 6, 1958, pp 22-26. \*BISI 1538

Nonuniform Distribution of Elements in White Cast Iron, by I. E. Lev.  
RUSSIAN, per, Lit Proiz, May 1959, p 36. HB 4709

Hydrodynamic State of Metal and Its Effect on the Macrostructure of Centrifugal Castings, by N. N. Reutov.  
RUSSIAN, per, Lit Proiz, Jun 1959, pp 22-27. \*HB 4771

Effect of Lithium on Form of Graphite in Cast Iron, by F. N. Tavadze, D. D. Ebanoidze.  
RUSSIAN, per, Lit Proiz, Sep 1959, p 38. HB 4762

Annealing of Magnetically Soft Iron, by N. E. Vyaznikov, G. I. Ivanyuk.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 1, 1959, pp 39-41. HB 4480

Scientific  
Minerals/Metals (Contd)

Aging of Zinc Alloy TsAM-4-1, by  
F. S. Adel'skaya, P. L. Chernova.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 1, 1959, pp 52-54. HB 4483

Vibrational Working of Metal by Yu. P. Sogrinshin.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 1, 1959, pp 55-57. HB 4484

Changes in Mechanical and Technological Properties of Ternary Titanium Alloys, by L. P. Luzhnikov, V. M. Novikova.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 3, 1959, pp 6-13. HB 4536

Effect of Alloying on the Hardening and Softening of High-Temperature Iron-Base Alloys, by D. F. Zhirnov.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 3, 1959, pp 17-19. HB 4538

Effect of Residual Aluminum on Impact Toughness of Steel at Low Temperatures, by E. I. Rabinovich, et al..  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 3, 1959, pp 25-28. HB 4540

Effect of Certain Less Common Alloying Elements on the Mechanical Properties of Iron-Aluminum Alloys, by E. M. Savitskiy, et al.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 3, 1959, pp 38-43. HB 4543

Heat Treatment and Mechanical Properties of Magnesium Alloy Parts, by A. A. Naryshkin.  
RUSSIAN, per, Metal Termicheskaya Obra Metallov, No 3, 1959, pp 44-46. HB 4544

Study of Wall Deformation During the Hot Reducing of Tubes, by V. L. Kolmogorov, A. Z. Gleiberg.  
RUSSIAN, per, Stal, (Rolling and Tube Manufacture Supplement), 1959, pp 171-179. BISI 1+81

Scientific  
Minerals/Metals (Contd)

Metallurgical Achievements in the Development of High-Temperature (Heat-Resistant) Steels and Alloys for Gas Turbine Construction, by P. B. Mikhaylov-Mikheev, 14 pp. RUSSIAN, per, Teploenergetika, No 10, 1959, pp 3-8.

JPRS 1038-D

The Influence of Flux Composition on the Reduction of Silicon and Manganese During the Automatic Welding of Mild Steel, by M. D. Shchepkov.

RUSSIAN, per, Trudy L. P. I. Welding Industry, No 189, 1957, pp 111-122.

DSIR LLU M.623

Production of Nickel Strips of High Purity, by K. P. Kalinin, M. P. Lyamine, M. Z. Spiridonova.

RUSSIAN, per, Tsvetnye Metal, No 7, 1958, pp 56-61.

DSIR LLU M.652

Recovery of Nickel From Converter Mattes, by L. L. Chermak.

RUSSIAN, per, Tsvetnye Metal, No 9, 1958, pp 37-39.

DSIR LLU M.653

Some Questions Concerning the Production of Titanium by Means of Molten Media Electrolysis Using Soluble Anodes, by A. B. Suchkov, B. A. Borok, M. I. Rodnyy, T. N. Yermakova, Z. I. Morozova, L. D. Boldina, 8 pp. RUSSIAN, per, Tsvetnye Metal, No 8, 1959, pp 50-54.

JPRS L-1104-N

Methods of Selective Extraction of Iron, Copper, and Sulphur From the Copper Concentrates of Central Kazakhstan, by A. L. Tseft, A. A. Tatarinova.

RUSSIAN, per, Vest Ak Nauk SSSR, No 8, 1958, p 32.

DSIR LLU M.860

Third Period of Stress Relaxation, by Tseitlin. RUSSIAN, per, Zavod Lab, No 7, 1956, pp 845-849.

HB 4741

Scientific  
Minerals/Metals (Contd)

Lamination Defects in Rimming Steel Slabs,  
by Hsiang-hua Shao.  
CHINESE, per, Acta Metallurgica Sinica,  
Mar 1959, pp 16-21. BISI 1445

Ten Years' Development of Metallurgical  
Research and Technology in China, by Li Hsun,  
(DC-3219).  
CHINESE, per, K'o-hsueh T'ung-pao, No 19,  
Peiping, 11 Oct 1959, pp 637-641. \*JPRS

The Use of Carbon Steel for the Production  
of Heat-Treated (Quenched and Tempered)  
API-E Boring Tubes, by R. Sejnoha,  
V. Smid.  
CZECH, per, Hutnicke Listy, No 10, 1958,  
pp 878-881. \*BISI 1505

Secondary Hardness of High Speed Steel, by  
J. Jezek, J. Voboril.  
CZECH, per, Hutnicke Listy, No 1, 1959,  
pp 47-54. \*BISI 1530

Modification of Carbon Extraction Replicas  
for Austenitic Steels, by I. Hrivnak.  
CZECH, per, Hutnicke Listy, No 3, 1959,  
pp 211-214. \*BISI 1508

The Effect of Cold Formation on the Internal  
Structure of Austenitic Grains, by I. Hrivnak.  
CZECH, per, Hutnicke Listy, No 6, 1959,  
pp 507-511. \*BISI 1509

On Precipitate Distribution in Corrosion-  
Resistant Austenitic Steels, by V. Cihal,  
J. Jezek.  
CZECH, per, Hutnicke Listy, No 8, 1959,  
pp 695-700. \*BISI 1511

On the Heat-Treatment of Austenitic  
Manganese Steels, by P. Fremunt, A. Lorenc.  
CZECH, per, Slevarenstvi, Aug 1959, pp  
309-316. BIS 1472

Scientific  
Minerals/Metals (Contd)

Quantitative Investigation of Dendritic Segregation in Some Iron Alloys, by J. Philibert, C. de Beaumieu.  
FRENCH, per, Rev Met, Feb 1959, pp 171-178.

BISI 1454

The Effect of the Degree of Stabilization on the Precipitation Processes in Austenitic Chromium-Nickel and Chromium-Nickel-Molybdenum Steels Containing Niobium, by K. Bungardt, et al.

GERMAN, per, Arch Eisenhuettenwesen, Jul 1959, pp 429-434.

BISI 1438

The Fumes Problem in the Production of Oxygen-Blown Steel, Especially LD Steel, by K. Baum.  
GERMAN, per, Berg und Huettenmannishche Monatsch, No 2, 1959, pp 41-50.

HB 4717

Segregation and Heat-Resisting Behaviour, by H. Klemm.

GERMAN, per, Metall, No 8, 1959, pp 752-759.

BISI 1498

Reactivity of Various Cokes, by W. Kuntscher, et al.

GERMAN, per, Neue Huette, Oct 1955, pp 6-10.

BISI 1474

Measuring the Dust Content in Industrial Gases and in the Air - Measurements of Dust on the Ground, by K. Guthmann.

GERMAN, per, Stahl u Eisen, 6 Aug 1959, pp 1129-1141.

BISI 1440

Evaluating the Life of Cold Rolls, by P. Funke.

GERMAN, per, Stahl u Eisen, 1 Oct 1959, pp 1412-1419.

BISI 1478

The Reactions Occurring in the Blast Furnace as Seen From the Kinetic Point of View, by G. Heynert, J. Willem.

GERMAN, per, Stahl u Eisen, 29 Oct 1959, pp 1545-1554.

\*BISI 1518

Scientific  
Minerals/Metals (Contd)

Observation of the State of the Bath  
and Slag During the Refining of Steel  
in the Basic Converter, by H. Voegle,  
E. Eickwirth.

GERMAN, per, Stahl u Eisen, 12 Nov 1959,  
pp 1715-1722.

\*BISI 1527

The Use of Austenitic Steels in the New Power  
Station at Huls, by A. Engl.

GERMAN, per, Vereinigung Grosskesselbesitzer  
Mitt, Aug 1958, pp 255-264.

\*BISI 1514

Metal Flow in Forging. V. Some Mechanical  
Properties of Plasticine, by T. Awano,  
M. Ochiai.

JAPANESE, per, Rep Gov Ind Res Inst Nagoya,  
Jan 1957, pp 10-17.

BISI 1419

Metal Flow in Forging. VI. High Temperature  
Compression Tests of Metals, by T. Awano,  
M. Ochiai.

JAPANESE, per, Rep Gov Ind Res Inst Nagoya,  
Sep 1957, pp 469-472.

BISI 1418

Properties of Steel for Cold Forming of Bolts,  
by S. Hajek.

POLISH, per, Hutnik, No 4, 1957, pp 116-122.

\*BISI 1524

Hydrogen Corrosion of Steel and Methods for  
Its Prevention (Hydrogen Brittleness of Steel),  
by Wladislaw Zabik.

POLISH, per, Przeglad Mechaniczny, Vol XVI,  
No 2, 1957, pp 58-64.

Navy 2378/NRL 763

Scientific  
Nuclear Physics

Atomic Energy in Aviation and Rocket Technology, by I. Murchatov, et al., 546 pp.  
RUSSIAN, bk, Aтомная Энергия в Авиации и Ракетной Технике, Moscow, 1959, 501 pp.

ATIC NCL-392/V

China Makes Great Strides in the Peaceful Utilization of Atomic Energy, by Ch'ien San-chiang, (DC-3219).  
CHINESE, per, K'o-hsueh T'ung-pao, No. 19, Peiping, 11 Oct 1959, pp 627-629.

\*JPRS

Plutonium Production at Marcoule, (NY-3346).  
FRENCH, per, Industries Atomiques, Vol III, No 9/10, 1959, pp 99-102.

\*JPRS

The Present Status of United States Scientific Attaches, by Seiichi Ishizaka, 6 pp.  
JAPANESE, per, Gaku-jutsu Geppo, Vol XII, No 5, 1959, pp 34-46.

JPRS L-1958-D

History of the Scientific Attaché System in the US, by Kunio Saito, 14 pp.  
JAPANESE, per, Gaku-jutsu Geppo, Vol XII, No 5, 1959, pp 46-51.

JPRS L-1957-D

Scientific  
Physics

Theory of Random Functions and Its Application to Problems of Automatic Control, by V. S. Pugachev, 806 pp.

RUSSIAN, bk, Teoriya Sluchaynykh Funktsiy i Yeye Primeneniye k Zadacham Avtomaticheskogo Upravleniya, Moscow, 1957, 659 pp.

ATIC F-TB-9546/V

Conference on Experimental Techniques and Methods of High Temperature Researches, 1956.  
RUSSIAN, bk, Trudy Sov po Eksperimental'noy Tekhnike i Metodam Vysokotemperaturnykh, 1959, pp 104-107, 147-156, 224-236, 470-477, 619-635.

\*ATIC MCL-461/III

Propagation of a Sound Pulse in an Underwater Sound Channel, by N. S. Ageyeva, 15 pp.  
RUSSIAN, per, Akust Zhur, Vol V, No 2, 1959, pp 146-150. 9045364

DSI 555 (British)

Experimental Study of Some Vibration-Absorbing Materials, by N. I. Naumkina, B. D. Tartakovsky, M. M. Efrussi, 15 pp.  
RUSSIAN, per, Akust Zhur, Vol V, No 2, 1959, pp 196-201. 9045364

DSI 555 (British)

Device for Obtaining High Intensity Focused Ultrasound, by L. D. Rozenberg, M. G. Sirotyuk, 15 pp.  
RUSSIAN, per, Akust Zhur, Vol V, No 2, 1959, pp 206-211. 9045364

DSI 555 (British)

False Critical Points and Post-Critical Transitions, by V. K. Semenchenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 3, 1953, pp 625-627.

DSIR LLJ RTS 1223

Reaction of Steam With Fuel Carbon, by I. I. Paleyev, V. F. Yudin.  
RUSSIAN, per, Gazovaya Prom, Vol V, Moscow, 1957, pp 10-16.

Bu of Mines T 516  
Pittsburgh, Pa.

Study of the Physical Processes in a Shock Tube With the Aid of High Speed Photography, by L. A. Vasil'ev, S. S. Semenov, E. A. Tarantov.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1957, pp 186-188.

RAE 817

Scientific  
Physics (Contd)

Critical Phenomena and Type II Phase Transitions, by V. K. Semenchenko.  
RUSSIAN, per, Iz Sektora Fiz-Khim Anal Ak Nauk SSSR, Vol XXVI, 1955, pp 56-61.

DSIR LLU RTS 1221

Scientific Research Work at the Chair of Radiophysics of Nanking University, by Po Zya- [Chia?] -sheng, (DC-3218).  
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy-Radiotekhnika, No 4, Kiev, 1959, pp 498, 499.

\*JPRS

The Effect of Charging Coal in Stamped Blocks on the Quality and Quantity of Coke, by M. Dobrowolski, N. Gostkowska.  
RUSSIAN, per, Koks-Smola-Gaz, Vol VI, 1957, pp 253-259.

CCT-1731B

The Technique of Preparing Solid Narrow-Band Light Filters for Colorimetric Work in the Spectral Region 3100-3600 A, by S. N. Andreyev, V. G. Khaldin.  
RUSSIAN, per, Komissiya po Anal Khim Ak Nauk SSSR, Vol VII, No 10, 1956, pp 201-204.

CCT-150B

Asymptotic Solutions for the Equations of Uniform Non-Equilibrium Motion of an Ideal Gas and the Asymptotic Decay of Shock Waves, by Ya. L. Yakimov.  
RUSSIAN, per, Prik Matemat i Mekh, Vol XIX, 1955, pp 681-692.

CCT-876B

Terrestrial Corpuscular Radiation, by A. E. Gindakov, E. V. Gorshakov.  
RUSSIAN, per, Priroda, No 8, Aug 1959, pp 86-89.

Navy 2385/NRL 761

Contemporary Status of Development of the Problem of Ship Vibration, by N. N. Babayev.  
RUSSIAN, per, Sudostroyenie, No 3, (161), 1956, pp 4-10.

Navy 2382/DTMB 291

Scientific  
Physics (Contd)

Cyclotron Resonance, by V. N. Katukin.  
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LIX, No 3,  
1956, pp 553-582.

Co-op Tr Sch 362

Modern Theory of Superconductivity, by A.  
Abrikosov, I. Khalatnikov, 58 pp.  
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXV, No 4,  
1958, pp 551-591.

ATIC MCL-12/V

Scientific and Technical Information as One of  
the Problems of Cybernetics, by G. E. Vleduts,  
V. V. Nalimov.  
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 1,  
1959, pp 13-56.

\*ATIC MCL-462/III

Modern Trends in the Development of the Physics  
of Dielectrics, by G. I. Skanavi, 4 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 3, 1959,  
pp 15-18.

LLU Tr Bul Nov 1959

The Application of Helmholtz's Method to the  
Study of Motion, by Chaplygin's System, by  
V. S. Novoselov, 10 pp.  
RUSSIAN, per, Vest Leningrad U, No 13, 1958,  
pp 102-111.

525th MI Gp, H-2478

The Present State of X-Ray Spectroscopic  
Analysis, by K. I. Narbutt.  
RUSSIAN, per, Zavod Lab, No 5, 1958, pp 604-  
613.

DSIR LLU M.531

A New Method of Measuring Thermodynamic Charac-  
teristics of Solid Solutions, by A. A. Zhukhovit-  
sky, A. G. Golitsyn.  
RUSSIAN, per, Zavod Lab, No 7, 1958, pp 828, 829.

DSIR LLU M.640

Use of Autoradiography for the Investigation of  
Opaque Objects, by A. Ya. Abramov, L. I. Konon-  
vich.  
RUSSIAN, per, Zavod Lab, No 8, 1958, pp 963-965.

DSIR LLU M.642

Scientific  
Physics (Contd)

Use of a Luminescent Spectrometer for the Identification of Radioisotopes, by A. A. Sorokin.  
RUSSIAN, per, Zavod Lab, No 8, 1958, pp 997-1000.

DSIR LLU M.644

Measurement of Power at Centimetre Wavelengths by a Thermo-Acoustic Method, by G. A. Vasil'ev, M. E. Zhabotinskiy.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV, No 5, 1953, pp 571-574.

DSIR LLU M.378

The Basic Characteristics of Generalized Critical Phenomena, by V. K. Semenchenko.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 9, 1952, pp 1337-1348.

DSIR LLU RTS 1222

The Thermodynamic Properties of Air on Thermal Ionization and the Shock Waves, by V. V. Selivanov.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 3, 1958, pp 670-677.

DSIR LLU M.906

On the Nature of Phases Occurring on the Surface of Steel in Diffusion of Tungsten, by G. N. Dubinin, Yu. A. Bagaryatskiy, 12 pp.  
RUSSIAN, per, Zhur Tekh Fiz, Vol XII, No 11, 1942, pp 1741-1750.

ACSI, H-4804

Coagulating Effect of Acoustical Flows, by P. N. Kubanskiy, 10 pp.  
RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 6, 1954, pp 1049-1054.

JPRS L-1108-N

The Energy Spectrum of an Ion Beam From a High Frequency Source, by J. Ero.  
GERMAN, per, Acta Physica Hungaricae, Vol V, No 4, 1955-1956, pp 391-407.

Navy 2389/NRL 765

Cinematographic Photographs of Water Vapour Bubbles, by W. Gueth.  
GERMAN, per, Acustica, Vol I, 1954, pp 445-455.  
9043232

ACSIM 773

Scientific  
Physics (Contd)

Contribution to the Theory of the Turning  
Maneuvers and of Course Stability, by F.  
Horn.

GERMAN, per, Jahrb der Schiffbautechn  
Gesellschaft, Vol XLV, 1951.

Navy/DIMB 294

Some Studies of a High Frequency Source, by  
R. Holtz, H. Lob, 11 pp.

GERMAN, per, Z. fuer Naturforschung, Vol XIII,  
No 8, 1958, pp 602-608.

Navy 2388/NRL 764

Consideration of Flow Separation in Determining  
Resistance by Means of Model Tests, by E. G. M.  
Petersohn.

SWEDISH, per, Schiffstechnik, Vol IV, No 20,  
1957, pp 71-74.

Navy 2379/DIMB 278

Scientific  
Space Research

Man in Space, by I. Bakh, O. Gorlow, V. Yakovlev, 34 pp.  
RUSSIAN, bk, Chelovek v Kosmose, Series VIII,  
Vol I, No 20, Moscow, 1958.

AF 1256169

How the Flight to the Moon Was Accomplished,  
16 pp.  
RUSSIAN, np, Izvestia, 23 Sep 1959.

AF 1256190

Man's Moon Flight Problems.  
RUSSIAN, np, Sovet Aviatsiya, 7 Oct 1959, p 2.

\*AID

Present Rocket Dromes.  
RUSSIAN, np, Sovet Aviatsiya, 26 Nov 1959, p 4.

\*AID

Polaris Ballyhoo, by S. Reydel, 5 pp.  
RUSSIAN, np, Sovetskiy Flot, 5 Sep 1959, p 4.

AF 1256291

Life in Cosmos, by B. Danilin, 7 pp.  
RUSSIAN, per, Tekh Molodezhi, No 7, 1959,  
pp 34-36.

AF 1256213

Construction in Space.  
RUSSIAN, per, Tekh Molodezhi, No 10, 1959,  
p 37.

\*AID

Photographic Investigation on Spinning CO-O<sub>2</sub>  
Detonations, by J. P. Von Toennies, H. Wagner.  
GERMAN, per, Z. fuer Elektrochemie, Vol LIX,  
No 1, 1955, p 7.

Bu of Mines T 504  
Pittsburgh, Pa.

Science and Diplomacy, by Nakayama Norimichi,  
26 pp.  
JAPANESE, per, Gakujutsu Geppo, Vol XII, No 5,  
1959.

JPRS L-1962-D

Photographic Studies of Detonation of Explosives,  
by T. Urbanski.  
POLISH, per, Rocznik Chemji, Warsaw, 1926, pp 582-  
590.

Bu of Mines T 122  
Pittsburg, Pa.

Scientific  
Miscellaneous

Japanese Language Analysis in Machine Translation, by M. B. Yefimov, (DC-3901/6).  
RUSSIAN, monograph, Analiz Japonskogo Yazyka  
Pri Mashinnom Perevode, 1958, pp 1-26.

\*JPRS

Machine Translation From Chinese Into Russian,  
by V. A. Voronin, (DC-3901/4).  
RUSSIAN, monograph, O Mashinnom Perevode s  
Kitayskogo na Russkiy Yazyk, 1958, pp 1-34.

\*JPRS

Machine Translation and Applied Linguistics,  
55 pp.  
RUSSIAN, bk, Mashinnyy Perevod i Prilozheniya,  
1959, pp 1-77.

JPRS 1006-D

Along the Way of Technical Progress, by P. G.  
Moskatov, 282 pp.  
RUSSIAN, bk, Po Puti Tekhnicheskogo Progressa,  
1957, 242 pp.

ATIC F-TS-9635/III

Problem of Constructing a Machine Language for  
an Information Machine, by V. A. Uspenskiy,  
(DC-3224).  
RUSSIAN, bk, Problemy Kibernetiki, No 2, 1959,  
pp 39-50.

\*JPRS

Experimental Translations From French to  
Russian on the "Strela" Computer, by O. S.  
Kulagina, G. V. Vakulovskaya., (DC-3224).  
RUSSIAN, bk, Problemy Kibernetiki, No 2, 1959,  
pp 283-288.

\*JPRS

Operator Description of Translation Algorithms  
and Automation of the Process for Programming  
Them, by O. S. Kulagina, (DC-3224).  
RUSSIAN, bk, Problemy Kibernetiki, No 2, 1959,  
pp 289-302.

\*JPRS

Experience in the Mechanization of the Receipt  
and Processing of Information at the Central  
Computer Station of the Central Statistical  
Administration of the USSR, by A. Sal'nikov,  
9 pp.  
RUSSIAN, per, Byul Nauch Informatsii, Trudy i  
Zarabotnaya Plata, No 3, 1959, pp 34-41.

JPRS L-1140-N

Scientific  
Miscellaneous (Contd)

On the Basic Trends in the Development of Scientific Research of the Academy of Sciences Estonian SSR in 1959 in the Light of the Resolutions of the 21st Congress of the CPSU, by T. Khaul', 11 pp.  
RUSSIAN, per, Iz Ak Nauk Estonской SSR, Ser Tekh Fiz Mat, No 3, Tallin, Jul-Sep 1959, pp 211-215.

JPRS 2098-N

On the Completion of the Problem Plan of Scientific Research by the Department of Technical and Physico-Mathematical Sciences of the Academy of Sciences Estonian SSR for 1958, by R. Makhl', 8 pp.  
RUSSIAN, per, Iz Ak Nauk Estonской SSR, Ser Tekh Fiz Mat Nauk, No 3, Tallin, Jul-Sep 1959, pp 216-219.

JPRS 2099-N

New Statutes of the Academy of Sciences Latvian SSR, by P. Valeskans, 16 pp.  
RUSSIAN, per, Iz Ak Nauk Latvийской SSR, No 9, Riga, 1959, pp 5-12.

JPRS 1074-D

Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 46 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 51/52, 1957, No 1/2, 1958, pp 91-117.

JPRS L-1130-N

Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 29 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 3-6, 1958, pp 95-102.

JPRS L-1107-N

Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions, 42 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 7-10, 1958, pp 108-122.

JPRS L-1131-N

Scientific  
Miscellaneous (Contd)

Dissertations for Degrees in Science and  
Engineering Defended at USSR Higher Educational Institutions, 110 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 1-6,  
1959, pp 112-147.

JPRS L-1949-D

Dissertation for Degrees in Science and  
Engineering defended at USSR Higher Educational Institutions, 36 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 7-10,  
1959, pp 11-129.

JPRS L-1967-D

Dissertation for Degrees in Science and  
Engineering Defended at USSR Higher Educational Institutions, 21 pp.  
RUSSIAN, per, Knizhnaya Letopis', No 33-57,  
pp 87-105.

JPRS L-1944-D

Czechoslovak Academy of Sciences -- Prizes  
and Awards for 1958, 8 pp.  
CZECH, per, Vest Ceskoslovenske Akademie Ved,  
Vol LXVIII, No 2, 1959, pp 234-238.

JPRS L-1941-D

Editorial: Communism and Science, 21 pp.  
RUSSIAN, per, Voprosy Filosofii, No 4, 1959,  
pp 3-15.

JPRS L-1086-N

AUTHOR INDEX

- A -

Abdullayev, G. M.	146	Avetisyan, A. A.	116
Abramov, A. Ya.	172	Avrukh, A. Ye.	4
Abrikosov, A.	172	Avtorkhanov, A. A.	16
Adel'skaya, F. S.	164	Awano, T.	168
Adrianov, V. N.	113	Azhogin, F. F.	87
Afanas'ev, A. S.	99	Aziz al-Hajj	46
Agafonov, A. V.	93		
Ageyeva, N. S.	170		
Agronomov, A. E.	89		
Agronomov, S.	116		
Aleksandrov, B.	70	Babayev, N. N.	171
Aleksandrov, M. M.	115	Babikov, A. N.	116
Aleksandrov, V.	107	Babkina, I. N.	10
Aleksandrovskaya, M. M.	145	Backer, J. D.	78
Alekseyev, N. N.	130	Bagaryatskiy, Yu. A.	173
Alekseyeva, K. A.	92	Bagdasarov, A. A.	146
Alexanian, C.	128	Bahiya, Karam	48
Alexe, E.	37	Bahr, G. F.	154
Aliev, K. A.	86	Bakh, I.	175
Altschuler, O. W.	97	Bakulev, G. D.	128
Al'tshuler, O. V.	98	Balabukha, V. S.	142
Alyeshin, B. V.	141	Balandin, A. A.	97, 99
Amirasianov, A. A.	2	Balashov, Yu. S.	144
Amirdzhanyants, G. O.	116	Balkevich, V. L.	7
Anan'ev, M. G.	144	Baltadzhiev, P.	21
Andreassen, A. H. M.	102	Balyura, V. I.	84
Andrei, Andrei	36	Bandrabur, T.	42
Andrei, Vilhelem	44	Baranov, A.	7
Andreyev, N. Kh.	115	Barashnev, Yu. I.	149
Andreyev, S. N.	171	Barat, Eugen	37
Andriyanov, V. M.	5	Barbulescu, D.	39
Andryanova, T. I.	94	Bardin, I. P.	161
Angenot, P.	101	Barsukov, M. I.	149
Anglitskiy, V. A.	11	Bartu, F.	123
Annayev, R. G.	162	Baskakov, V. P.	145
Antanasiu, C.	38	Batkowski, Stefan	33
Antipova, N. P.	10	Bat-Ochir, Sh.	62
Anufriyev, L.	19	Baum, K.	167
Arkad'yev, V.	108	Baykova, I. P.	120
Artamonova, V. A.	145	Bazhenov, M. F.	3
Aschoff, L.	155	Belinskiy, N. A.	130
Astashev, A. G.	10	Bel'kov, V. P.	85
Aver'yanov, B. G.	132	Belyayev, A. I.	40
		Benevolenskiy, V. N.	146

- 179 -

Berezin, A.	3	Butt, Yu. M.	100
Berezin, I. V.	90	Buzas, Jozsef	29
Berg, R.	102	Buznitskiy, V.	9
Bertolini, Renato	78	Byushgens, S. S.	10
Beyder, P. Ya.	5		
Biduliya, P. N.	163	- C -	
Bielka, H.	154, 156	Carasso, N.	154
Bilkeuroth, G.	25	Celac, N.	37
Blinkov, L.	19	Centrone, Leonardo	125
Bluvshtein, M. N.	7	Cerweny, E.	23
Bobneva, M.	144	Chai, Hsi-wu	50
Bodnar, E.	39	Chaika, I. I.	162
Bodner, V. A.	113		
Bodrov, I. A.	86	Chang, Ch'un-lin	51
Bogatyrev, P. M.	87	Chang, Hsiang-t'ung	153
Bogdanov, A. A.	118	Chang, Hsin-chou	53
Boichenko, A. S.	151	Chang, I-keng	52
Boldina, L. D.	165	Chang, Kil-chun	68
Bolgarov, N.	17	Chang, Lan-tzu	60
Borisov, I.	6	Chang, Li-chung	65
Borisovich, Yu. F.	149	Chang, Lin-yang	100
Borodulin, G. M.	14	Chang, Ting-cheng	65
Borok, B. A.	165	Chang, Yang-wu	74
Borovskiy, Yu. F.	115	Chang, Ying-jung	50
Bosica, S.	39	Chao, Chiu-chang	135
Botguin, G.	101	Chao, Hsi	64
Botsmanov, K. V.	147	Chao, I-ping	153
Bottermund, Heinrich	125	Chao, P'eng-feng	66
Bouley, J.	123	Chao, Yu-fu	71
Brainin, I. E.	163	Chaykovskaya, M. Ya.	151
Bratukhin, Ivan P.	81	Chebotarev, D. F.	144
Bratushchik, G. Ya.	148	Chebotarev, Ye. Ye.	147
Brecht, Walter	77	Chechel, P. S.	87
Breydo, M. G.	139	Chechet, Yu. S.	106
Brodskiy, A. Ya.	119	Chegis, I. A.	140
Bruk, I. S.	114	Ch'en, Chih-ho	52
Brusilovskiy, I. V.	81	Ch'en, Ching-chih	54
Brutskus, E. B.	95	Chen, Hsueh-chun	49
Bucurenci, I.	39	Ch'en, Pao-ching	54
Buglov, Ye. D.	145	Chen, Pei-hsien	66
Bune, N. Ya.	89	Ch'en, Tse-min	52
Bungardt, K.	167	Chen, Yuan-chien	60
Burdin, G. D.	112	Cheng, Chung-chih	108
Burger, H.	102	Ch'eng, Hung-i	57
Burov, Y. S.	111	Ch'eng, Shun-shu	135, 136
Burstlein, E.	129	Cherkesov, A. I.	96
Bushuyev, M.	9	Chermak, L. L.	165
Butomo, N. V.	147	Chernov, G. A.	146

Chernova, P. L.	164	Didkovskiy, V. P.	88
Chernyavskaya, E.	108	Dmitriyeva, I. A.	10
Chertkov, Ya. B.	98	Dobroserdov, Ye. I.	2
Chi, Chun	67	Dobrovolskiy, S. V.	98
Chiang, Ch'uan-liu	64	Dobrowolski, M.	171
Ch'iao, Tseng-chien	85	Dobrynin, O. N.	129
Ch'ien, San-chiang	169	Dobychin, D. P.	98
Ch'in, Jen-ch'ang	85	Dokunin, A. V.	111
Chi-shu, Wei-yuan-hui	58	Dolginov, S. Sh.	131
Chisu, A.	125	Dolukhanov, M.	107
Chong, Yong	68	Doma, Arnold	28
Chonos, I. V.	43	Dorogochinskiy, A. Z.	94
Chou, Chien-jen	73	Dorokhov, A.	6
Chou, Ching-han	136	Dovgalev, S. I.	145
Chou, Chung-fu	65	Drabkin, A. E.	95
Chou, Mei-ch'ing	52	Dragomir, Gh.	37
Chu, Ch'eng-k'ang	54	Dubinin, G. N.	173
Chu, Te-hai	67	Dubost, P.	153
Chu, Ya-sheng	58	Dudak, N. Ya.	111
Chudakov, A. E.	171	Duhm, B.	157
Chumakov, M. P.	141	Duma, Mario	38
Churacek, Joseph	23	Dumitru, D.	37
Churayev, I. A.	84	Dumitru, I.	36
Ciccale, Carlo	126	Dumoulin, E.	101
Cihal, V.	166	Dunayeva, T. N.	150
Ciupak, Marian	34	Dupire, F.	101
Class, J.	125		
Copik, Henryk	31	- E -	

- D -

Dabrowski, Julian	42	Ebanoidze, D. D.	163
Dangel, Jan	33	Ebina, T.	159
Danilin, B.	175	Edstroem, J. O.	126
Dao, Duy Can	69	Efremova, G. D.	98
Dashevskiy, M. M.	97	Efroimovich, Y. E.	107
Dautrebrande, L.	101	Efrussi, M. M.	170
Davydov, B. E.	89	Eichworth, E.	124, 168
de Beaulieu, C.	167	Eketorp, S.	126
Dedek, V.	122	Emanuel, N. M.	91
Delimarskiy, Yu. K.	104	Engl, A.	168
Denesi, Odon	29	Enikolopyan, N. S.	99
Deryabina, V. I.	115	Ero, J.	173
Desmireanu, I.	35, 36	Erport, D.	19
Despois, J.	79	Espmark, Ake	160
Dessens, H.	83	Evseyenko, L. S.	152
Desvergne, L.	101		
Deyev, I. T.	96	- F -	
		Fain, V. M.	108
		Fandeyev, B. V.	1
		Faneuf, Leston P.	77

Favard, P.	154	Georgiev, Kh. D.	91
Fedorchuk, V. P.	8	Georgiyevskiy, I.	10
Fedorenko, N.	8	Gerasimov, V. V.	90
Fedorov, V. I.	143	Germ, A. N.	107
Fedorov, V. S.	114	Geydarov, <u>Mikhail</u>	18
Fedot'ev, N. P.	99	Ghenea, C.	42
Fel'dman, V.	7	Gheorghiu, Ion S.	38
Feng, Ching	57	Gheorghiu, N.	35
Feng, Hsi-ch'uan	56	Giedion, Z.	155
Feng, Pai-hua	54	Gierlof-Emden, Hans-	
Fesenkov, V. G.	131	Guenther	136
Fey, F.	156	Giese, Fritz E.	17
Fick, Bronislaw	31	Gilyarovskiy, V. A.	142
Filipi, Ndoc	21	Ginberg, A. M.	87
Filippoto, Wladyslaw	30	Ginsburg, I. I.	161
Finogenov, I. S.	132	Gintsburg, Ya. S.	121
Fleischer, R.	25	Ginzburg, V. V.	143
Florescu, Emanoil	36	Giordani, F.	102
Folik, Marian	34	Girs, A. A.	133
Fomenko, F. N.	117	Glagolev, N. M.	121
Fonal, Sandor	29	Glagolevskiy, V.	83
Fortushnyi, V. A.	151	Gleiberg, A. Z.	164
Fotiyev, A. A.	4	Glikman, L. A.	115
Fradkin, G. Ye.	142	Glikman, Pawel	32
Frank, G. A.	2	Glinkov, M. A.	116
Frantsevich, I. N.	88	Gloetzer, Jozsef	30
Fremunt, P.	166	Glukhanov, N. P.	119
French, L. A.	157	Glushkov, V.	118
Friedrich, Vilem	22	Glushkov, V. M.	138
Fritz, D.	156	Goetting, Gerald	41
Fronczk, Waclaw	32	Goldberg, S. M.	7
Fu, Meng-lin	50	Golitsyn, A. G.	172
Fukasz, Gyorgy	68	Golubchin, G. N.	106
Funke, P.	167	Golubeva, I. V.	144
- G -			
Gel'perin, V. M.	4	Goncol, Gyorgy	29
Gel'pern, G. D.	89	Gorbunova, K. M.	97
Ganassi, Ye. E.	145	Gorchakov, E. V.	171
Gandziarek, Miroslaw	33	Gordeyeva, K. V.	147
Gaylis, Yu.	20	Gorev, N. N.	144
Gaylish, Ye. A.	5	Gorina, A. P.	87
Gaylord, Harvey	77	Gorlov, O.	175
Gazarov, N. A.	114	Gorodetskiy, A. A.	147
Gazaryan, G. S.	114	Gorodilova, V. V.	152
Gdynia, Jerzy	30	Gorpenyuk, N. A.	94
Gel'bras, V.	62	Gorshenin, K. P.	13
		Gostkowska, N.	171
		Govorov, A. M.	151
		Graffi, A.	154, 156

Grassberger, R.	129	Horn, F.	174
Gratsershteyn, I. M.	1, 11	Horstmann, E.	158
Grebenshchikova	90	Moyler, Alfred	125
Greull, G.	101	Hrivnak, I.	166
Grigor'eva, V. V.	161	Hsi, Yuan-ling	55, 57
Grikhnes, S. Ya.	99	Hsieh, Fu-min	74
Grodzenskiy, D. E.	142	Hsieh, I-ping	134, 135
Gromov, M. I.	162	Hsieh, Kuang-tao	135
Groespetzsch, G.	27	Hsieh, Kuang-tao	134
Grusho, A.	8	Hai-jao-chia	67
Gubin, V. A.	147	Hain, Ian-t'ing	59
Gubina, G. P.	150	Hsiung, Mo-yuan	55
Gueth, W.	173	Hsu, Chih-ch'an	70
Gulyayev, B. B.	115	Hsu, Erh	65
Gulyayev, G. I.	119	Hsu, Erh-hao	135
Gurevich, S. M.	88	Hsu, Kuang-yuan	55
Gurfinkel', V. S.	139	Hu, Chun	74
Gurova, E. V.	144	Hu, Nan	66
Gusarov, V. I.	11	Huang, Meng-fan	53
Guthmann, K.	167	Huang, Pi-chin	73
		Huelzenbecher, Erich	28

- H -

Hajek, M.	122	Iacobovici, C.	37
Hajek, S.	168	Ibragimov	121
Hashimoto	61	Il'inskaya, I. V.	148
Heberger, Karoly	43	Il'yin, A. I.	62
Heinze, W.	28	Inagaki, M.	103, 104
Henneke, H.	124	Ionescu, Iordache	38
Herbelot, Paul	105	Ionue, T.	158
Herczog, Gyorgy	30	Irukayama, K.	158
Herrmann, H.	109	Istoshin, V.	130
Heynert, G.	167	Ivakhnenko, A. G.	127
Hillmann, G.	157	Ivanov, A. A.	134
Hirakawa, K.	158	Ivanov, K. I.	93
Hirschfeld, H.	154	Ivanov, S. A.	88
Ho, Hsiao-ning	52	Ivanov, V. N.	106
Ho, Hsueh-jen	59	Ivanov, Vasil	71
Ho, Kuo-sen	51	Ivanyuk, G. I.	163
Ho, Ping-chang	56	Ivinskiy, N. E.	1
Ho, Ping-lin	100	Lyga, I.	62
Ho, Wei	54		
Hoang, Minh Giam	76		
Hoffmann, F.	156		
Hoffmann, K.	101		
Hofman-Bang, N.	102	Jardel, Zygmund	34
Holtz, R.	174	Jaros, Stanislav	22
Horalek, Vladimir	23	Jaslar, Mieczyslaw	31

- J -

Jderu, Neculai	43	Keilin, A.	6
Jendersie, H.	25	Kel'zon, A. S.	110
Jezek, J.	166	Kenji, Asakawa	61
Jica, P.	36	Khachatryan, S. P.	133
Johannovsky, K.	23	Khatalnikov, I.	172
Joseph, J.	136	Khaldin, V. G.	171
- K -			
Kadyrbayev, R.	15	Khanin, N. S.	111
Kagami, K.	103	Khar'kov, V. A.	117
Kalechits, I. V.	92, 100	Kharmats, M.	20
Kaliko, M. A.	98	Khaul', T.	177
Kalinichenko, T. Ya.	148	Klein, A. L.	112
Kalinin, K. P.	165	Khokhlov, A. F.	110
Kalinski, Boleslaw	33	Khomutovskiy, O. A.	160
Kalitenko, E. T.	151	Khrustov, Iv.	21
Kalle, Kurt.	136	Khrushcheva, Ye. A.	147
Kaluzhnin, L. A.	137	Kierczynski, Tadeusz	31
Kane, A.	116	Kim, Pyong-nin	68
K'ang, Na	55	Kiranov, Prokopi	21
Kante, Edgar	28	Kireyev, M. I.	8
Kao, Cheng-chien	71	Kirikov, G. N.	2
Kao, Chung-han	56	Kirillova, Z. A.	142
Kao, Jao-kuang	71	Kiseleva, K. G.	96
Kapkowska, Olga	31	Kisielinski, T.	104
Kaplan, S. A.	128	Kityk, V. N.	131
Kaplinskaya, E. Z.	4	Kiyono	155
Kaplunov, M. Ya.	92	Kizub, I. A.	96
Karadi, Gyula	29	Klare, Hermann	26
Karamyan, A. I.	141	Klark, G. B.	86
Karaulova, E. N.	89	Klemm, H.	167
Karavayev, V. G.	145	Klesnil, M.	108
Karavayeva, V. I.	131	Klibanova, Ts. M.	98
Karepin, S.	63	Klibashev, K. P.	133
Karpukhin, P. P.	100	Klimasenko, L.	8
Karyagina, Z. V.	132	Klimenko, V. N.	161
Kastelin, O. N.	114	Knobloch, V.	23
Kats, A. L.	132	Knoep, A.	158
Kaufman, B. D.	152	K'o, Chin-ch'ao	53
Kaulbars, E.	25	Kobrinskiy, A. Ye.	139
Kawana, Y.	103	Kochanowicz, Tadeusz	32
Kawecki, Jerzy	33	Koerner, M.	26
Kazak, V. N.	118	Koester, L.	157
Kazanskaya, N. F.	90	Kokorina, O. P.	147
Kazanskiy, B. A.	91	Kolbe, F.	123
Kazukin, V. N.	172	Kolesnikova, I. G.	84
Keil, B.	157	Kolesov, S. G.	149
		Kolgatin, N. N.	115
		Kollaritsch, F.	27
		Kolmogorov, V. L.	164

Kolobova, K. M.	18	Kucherenko, K.	10
Kulotyrkin, Ya. M.	89	Kuchko, A.	8
Kolpakova, V. V.	145	Kudryavtsev, N. T.	86, 87
Koltsov, V.	107		88
Komendantova, A. L.	147	Kuerzel, Gustav	125
Kondrat'yeva, I. M.	146	Kuhna, R.	156
Komenkov, S.	15	Kuhuke, P.	25
Komonenko, T. V.	10	Kulagin, I. D.	91
Monovich, L. I.	172	Kulagina, O. S.	176
Kopineck, H. J.	124	Kulberg, L. M.	96
Korbov, M.	9	Kulebakina, V. S.	110
Korneichuk, G. P.	97	Kuleshov, P. I.	162
Kormeychuk, G. P.	96	Kunayev, D. S.	12
Kornilov, I. I.	99, 163	Kunev, Y.	21
Korbochkin, I. Yu.	119	Kung, Hung	53
Korotikh, G. M.	85	Kung, T'ung-fu	58
Koskutov, V. I.	118	Kunio, Saito	169
Kosmarskaya, Ye. N.	149	Kuntscher, W.	167
Kosolapova, T. Ya.	161	Kuo, Ching-hui	70
Kosyrev, Ye.	17	Kurchatov, I.	169
Koutik	22	Kurilova, Yu. V.	133
Kovalenko, A. I.	128	Kuroedov, V. A.	110
Kozlov, Yu. M.	114	Kuster, F.	155
Kozlova, K. I.	83	Kutsenok, B. E.	90
Krahl, Alfred	27	Kutyreva, A. P.	83
Kramer, K.	157	Kuz'michev, D. N.	117
Krashev, I.	8	Kuz'min, I. I.	121
Kravchenko, M.	17	Kuznetsov, A. V.	139, 140
Kraychi <sup>1</sup> , M. M.	119	Kuznik, J.	122
Kreinin, E. V.	118	Kwon, Ui-sik	75
Kreshchanovskiy, N. S.	94		- L -
Krest'yaninov, F.	3	Lagutina, N. Ya.	146
Krichevskiy, E. M.	119	Laidler, Konstanty	34
Krichevskiy, I. P.	98	Lapin, B. A.	143
Krichevskiy, R. Ye.	138	Laplaiche, M.	123
Kriss, A. E.	84	Laport, G. G.	112
Kriyachko, Z. F.	85	Latach, Yu. V.	111
Kroeger, C.	102	Lauhren, Folke Sture	109
Krofta, J.	24	Lavrov, N. V.	90
Krofta, Josef	23	Lavrov, N. V.	118
Krotkov, F. G.	146	Layubakh, R.	20
Kruglyakova, K. E.	91	Le, Chuong	69
Krushinskij, L. V.	139	Le, Hien Mai	69
Krushinsky, L. V.	141	Lebedev, T. S.	137
Ku, Chen-ch'ao	135	Lebedev, V. B.	81
Ku, Wei-lin	54	Lee, Chin-lin	108
Kubanskiy, P. N.	173		
Kubikov, V. V.	106		

Leikina, Ye. S.	144	Ludmila, J.	101
Lekareva	86	Luh, Pao-ling	153
Lenkiewicz, Wladyslaw	33	Lukashevich-Duvanova, Yu. T.	92
Lenskiy, B. V.	62	Lurpanov, O. B.	139
Leont'yev, A. N.	142	Lashnikov, L. P.	164
Lev, I. E.	163	Lyamine, M. F.	165
Levchenko, A. I.	100	Lynen, F.	101
Levin, A. I.	11	Luszczarz, J.	104
Levin, M. Ye.	143	Lyubarskiy, K. A.	83
Levykin, E. V.	112	Lyubimov, N. I.	118
Lewkowicz, Anatol	33		
Li, Ch'en	66		
Li, Chen-ch'uan	49		
Li, Fa-hsi	73		
Li, Hsueh-men	54		
Li, Hsun	166		
Li, Hung-duk	75		
Li, P'ai-fu	70		
Li, Ty-ang	59		
Liang, Cheng-lan	85		
Likhtenshteyn, L.	3		
Lin, Hsiao-hsia	54		
Lin, Ko-ming	51		
Lin, Yin	71		
Linden, H.	124		
Lindenhayn, Otto	26		
Lirs, G. V.	112		
Liska, E.	23		
Liteanu, E.	42		
Liu, Chin-ch'i	66		
Liu, Hsiu-feng	51		
Liu, Hui-neng	49		
Liu, Tzu-mo	58		
Liuli, Metush	40		
Livanov, M. N.	146		
Liventsev, N. M.	142		
Lob, H.	174		
Loewe, Fritz	137		
Lokkes, Janos	29		
Lomakin, M. S.	150		
Loncear, Carol	36		
Lonti, Gyorgy	30		
Lorenc, A.	166		
Loshchilov, A.	17		
Lu, Chou-chi	67		
Lu, Wo	134		
Lu, Yu-lung	55, 108		
Luchin, B. G.	128		

Ma, Hsi-wu	66	Mel'nikov, N. N.	85
Mail	63	Mel'nikova, M. V.	131
Makarov, K. M.	12	Metys, J.	153
Makhil', R.	177	Mihalik, Jozef	40
Makhmudov, Yu. A.	113	Mikhailov, N. A.	149
Maksimedzhi, A.	7	Mikhailovskiy, Yu. N.	96
Makurin, N. S.	118	Mikhaylov-Mikheyev,	
Malecki, W.	35	P. B.	165
Malicki, Michal	32	Mikheyev, V. M.	137
Malinin, G. A.	143	Milewski, W.	34
Malinkina, Y. I.	110	Minin, A. A.	116
Mallison, E.	102	Minovsky, Bruno	29
Malyashev, M. F.	1	Mints, R. S.	99
Man, Ch'iu	51	Mirenskiy, B. R.	5
Mandrazhitskiy, M. N.	143	Mironov, M. G.	3
Mandryka, N. A.	5	Miroshnikov, I. P.	106
Manescu, Radu	38	Mirskiy, L. M.	161
Manl, W.	157	Mitkina, Ye. A.	114
Manoylov, S. Ye.	146	Mitsuoka	61
Mansurov, N. S.	151	Miyagawa, K.	158
Maranon, G.	154	Mochalov, A. I.	111
Mares, Jan	22	Mogendovich, M. P.	143
Margolis, L. Ya.	91	Moiseyeva, N.	93
Markov, B. F.	104	Molcik	108
Maroisi, P.	42	Moldavskiy, B. L.	92
Marquez, Pompeyo	80	Moldavskiy, O. D.	162
Martynenko, I.	116	Molodkina, L. N.	149
Marukawa, Tatsuo	61	Monich, V. K.	12
Marzeyev, A. N.	142	Morariu, T.	42
Maslov, M.	7	Morch, Vaclas	42
Mattias, E.	102	Moroz, I. I.	87
Matusyak, N. Y.	93	Morozov, M. M.	9
Matyas, E.	35	Morozov, V. I.	113
Matyukha, I.	12, 13	Morozova, Z. I.	165
Mayevskiy, V. I.	150	Moskacheva, K. A.	149
Mayorov, V. N.	143	Moskatov, P. G.	176
Mayskiy, I. N.	150, 151	Mozzhukhin, A. S.	147
Mazharaup, G. Ya.	120	Mrozowska, W.	126
Medenwald, H.	157	Muchnik, V. S.	110
Medovar, B. I.	111, 162	Mueller, Heinz	29
Medved', L. I.	144	Mukhin, Ye. A.	146
Medvedev, K. Ye.	5	Mustafinov, A. N.	4
Meesson, H.	155	Mutafchiev, Iv.	21
Melina, N. I.	10	Mutovin, V. I.	149
Mel'nikov, L.	7	Myalikgulyev, G.	162
		Myamlin, A. N.	138

Nagy, Lorand	30	O, Sang-kyun	75
Nakayama, K.	126	Ochiai, M.	168
Nakayama, Norimichi	175	Ogneva, T. A.	132
Nakhimov, D. M.	115	Onata, H.	103
Nalimov, V. V.	172	Okamura, H.	159
Narburt, K. I.	172	Okerblom, N. O.	120
Naryshkin, A. A.	164	Oklyanskiy, Yu.	19
Naumenko, P. V.	94	Olsuf'yev, N. G.	150
Naumkina, N. I.	170	Omel'yanenko, I. M.	150
Naumov, Nikola T.	43	Onika, D. G.	111
Navrotskiy, D. I.	120	Ono, T.	159
Naydich, Yu. V.	99	Opfer, G.	124
Nazarov, G. S.	151	Orochko, D. I.	93
Nazarov, S. A.	94	Oros, Ivan	30
Neridsany, Janos	158	Ostroukhov, M. Ya.	90, 162
Neshev, Sl.	21	Ostrovskiy, A. P.	117
Neshpor, V. S.	99	Ozeretskaya, Ye. L.	18
Nesmeyanov, A. N.	89		
Nesterov, V.	18		
Nesterova, Z. N.	2		
Neuman, Alois	24		
Neumann, Gerhard	136	Pabijanek, Hubert	35
Neumann, Klaus	28	Padelt, E.	112
Nevruzyan, C.	22	Pak, Chun-mo	75
Nezhinskaya, L. A.	11	Paleyev, I. I.	170
Nguyen, Khanh Toan	76	Palta, R. S.	4
Nguyen, Van Huyen	76	Palys, Karol	34
Nieh, Chen-wei	58	Pan, Mou-yuan	67
Nikanorov, V. A.	40	P'an, Lang	68
Nikiforova, N. A.	84	Panicheva, A. S.	115
Nikitin, Yu. P.	97	Pankratov, P. F.	16
Nikolayev, A. V.	91	Panov, M. P.	117
Nitsche, K.	26	Papadache, I.	38
Niu, Chung-huang	49	Parker	102
Niyazon, A. M.	128	Pascal, S.	153
Noëldeke, W.	27	Pashkov, N. V.	119
Nosonov, D. N.	141	Pavlic, Radovan	22
Novikov, O.	7	Pavlenko, S. M.	148
Novikova, M. N.	146	Pavlev, N. S.	20
Novikova, V. M.	164	Pavlov, I. M.	163
Novoselov, V. S.	172	Pavlov, S. E.	86
Novoselova, A. V.	95	Pavsha, G. I.	148
Novozamsky, Petr	24	Pechatnov, A. V.	94
Novozhikov, B.	7	Pejcoch, O.	122
Nurlybayev, A. N.	12	Pelau, T.	39
Nusinov, G. O.	128	P'eng, Tao	54
		Penin, A. V.	11

Perlin, I. L.	40	Poshka, A. I.	8
Perlinski, Jerzy	31	Posse, A. V.	106
Pervacheva, D. T.	145	Postnikov, S.	12
Petersohn, E. G. M.	174	Fotulevich, V. P.	113
Petrenko, G. P.	97	Predvoditelov, A. S.	114
Petrosyan, M.	15	Prigajan, A.	42
Petrosyan, S. L.	151	Prikhodko, T. F.	121
Petrov, A.	15	Pritulin, P. I.	151
Petrov, A. A.	90	Prochaska, Frantisek	22
Petrov, I. R.	148	Prochazka, L.	122
Petrov, N. I.	111	Prokhorov, N. N.	115
Petrushevskiy, S. A.	151	Pronov, A. P.	162
Petukhov, R.	7	Protsenko, A. E.	84
Pfaff, W.	101	Prozorovskiy, G.	3
Ph, Hong-t'ek	75	Psarev, V. I.	163
Pham, Van Dong	64	Pugachev, V. S.	170
Philibert, J.	167	Pushkov, N. V.	131
Pi, Ying	52	Pyaskovskaya-Fesenkova, Ye. V.	132
Piciorus, V.	62		
Pien, Hsieh-ch'ang	53	- R -	
Pienkowski, Antoni	31		
Pilisek, Vladimir	25	Rabinovich, E. I.	164
Pilly, N.	39	Radlinski, Antoni	34
Pimenov, V. P.	106	Radulescu, N. Al.	42
Pinchuk, L.	18	Rashkovich, L. N.	100
Pine, P.	102	Rasmussen, N. H.	102
Pinegin, S. V.	121	Ratner, A. V.	115
Pinsker, P. N.	113	Raushenbakh, M. O.	146
Pircioaga, Virgil	38	Ravenet, P.	123
Piskareva, A.	93	Ravich, M. I.	92
Pivovarov, Yu. L.	40	Raykhman, E.	144
Po, Zya-[Chia?]-sheng	171	Raynus, L. S.	40
Pobedin, T. S.	121	Rayskina, M. Ye.	148
Pobedinskiy, M. N.	146	Resiga, M.	36
Pobiyakho, V. A.	133	Reutov, N. N.	163
Pogarskiy, A. A.	116	Reydel, S.	175
Pokrovskiy, V.	3	Richter, E.	123
Polak, Stanislaw	35	Riss, O.	15
Polotnyuk, V. Ya.	98	Ritzau, G.	123
Polovko, A. M.	114	Rode, T. V.	89, 99
Polyanskiy, D.	6	Rodnyy, M. I.	165
Pontryagin, L. S.	137	Rodzevich, N. V.	121
Popdimitrov, D.	21	Roesel, W.	27
Popov, S. Ya.	87	Roginskiy, S. Z.	94
Popov, V. E.	4	Rohde, W.	123
Popova, N. I.	89		

Romanov, Yu.	20	Schirmer, Wolfgang	26
Romanov, Yu. A.	131	Schmid, E. J.	157
Romanova, M. K.	134	Schmid, R.	157
Rompe, R. R.	139	Schmidt, F.	155
Rosenberger, H.	28	Schott, G.	136
Rostow, W. W.	22	Schulte, F. J.	155
Roth, F.	155	Schulz, H.	26, 155
Rotman, S.	42	Schulz-Methke, H. D.	124
Rosenberg, L. D.	170	Schuster, S.	137
Rozenfel'd, I. L.	88	Schwanecke, H.	137
Rozhkova, Lyubov	19	Sebe, E.	158
Rozhkova, V. V.	10	Segal', Yu. Ye.	142
Rul'kov, V. I.	121	Seidov, Rauf	18
Rusakov, G. K.	12	Seiichi, Ishizaka	169
Rusanovschi, I.	36	Sejnoha, R.	122, 166
Ruttmann, W.	124	Selenitsa, Muslim	40
Ruzicka, J.	24	Selivanov, V. V.	173
Ryabchikov, D. L.	86	Semenchenko, V. K.	170, 171
Ryabov, Yu. A.	133	Semenov, S. S.	173
Rybalko, G.	13	Sena, L. A.	170
Rybarczk, Edward	32	Sender, H.	106
Rynkevich, V. P.	112	Senyavin, M. M.	136
Rzebik, Tadeusz.	35	Serebryakov, P. A.	86
- S -			
Sabin, Nica	37	Sergienko, S. R.	97
Sablev, P.	9	Serokhvotov, A. L.	89
Sailfullin, R. S.	97	Seubert, W.	116
Sal'nikov, A.	176	Shakhno, A. P.	101
Samoylin, A. M.	11	Shao, Hsiang-hua	96
Samoylina, N. L.	146	Shapiro, I. S.	166
Samoylov, V.	12	Shapovalov, S. I.	119
Samoylova, L. G.	145	Sharabjalsan, Sh.	163
Samoylova, Z. T.	148	Sharonov, I. V.	62
Samsonov, G. V.	14	Sharov, B. V.	134
Sato, K.	99	Sharova, A. K.	92
Sava, I.	159	Shchedrovitskiy, S. S.	4
Savchenko, M. G.	44	Shchipkov, M. D.	112
Savelev, V. N.	152	Shekhtman, L. M.	165
Savitskiy, E. M.	120	Sheks, I. A.	138
Savu, A.	164	Shemyakina, T. V.	104
Scheidegger, J. J.	42	Shen, Chin	152
Schenck, H.	155	Shevtsova, Z. V.	50
Schiller, A.	101	Sheynker, Yu. N.	147
Schinn, R.	124	Shih, Tzu-wei	145
Schiopu, Bucur	124	Shitikova, M. G.	52
	37	Shklovskiy, I. S.	146
		Shnekendorf, Z. K.	83
			19

Shagum, A. N.	153	Starostin, S. G.	84
Shokin, P. F.	18	Stefan, C.	36
Shtan', A. S.	1	Stefanovich, V. L.	121
Shtanek, I.	112	Stepanchenko, V.	6
Shteyngauz, Ye.	8	Stern, Nicolae	37
Shui-li	58	Stimmel, H.	28
Shur, A. B.	115	Stoecker, Willi	27
Shutov, I. V.	85	Stognyi, A. A.	138
Sih, Tsu-wei	100	Straub, Eduard	125
Silaenkov, E. S.	111	Strejcek, M.	23
Silakova, A. I.	160	Stukanovskaya, N. A.	91
Simanov, Yu. P.	95	Stul'nikov, I. P.	113
Simson, T. P.	152	Subbotina, Ye. A.	98
Simunek, Otakar	23	Suchkov, A. B.	165
Singer, Walter	26	Suder, M.	36
Sinitsyn, V. I.	1	Sukhanov, V. P.	5
Sinitsyn, V. M.	70, 71	Sukyasyan, G. V.	146
Sinitsyn, V. P.	143	Sung, Fu-hsi	66
Sirotyuk, M. G.	170	Suslov, A. K.	83
Sitaryan, S.	15	Sutyagina, A. A.	97
Skachkov, B. I.	95	Suzdal'skaya, I. P.	141
Skanavi, G. I.	172	Svikis, V. D.	94
Skladal, Ladislav	42	Sysin, A. Ya.	139
Smelyanskiy, Z. B.	144	Syue-lun, K.	92
Smid, V.	166	Szende, Laszlo	29
Smirnov, V. A.	118	Szulc, Bohdan	31
Smirnov, V. I.	3	Szurek, Aleksander	41
Smirnov, V. K.	138	Szynkarczuk, Adam	32
Smirnov, V. S.	161		
Smirnova, Yu. A.	87	- T -	
Sobaru, All	38	Tache, Aurelian	44
Sogrinishin, Yu. P.	164	Talyzina, N.	147
Sokibayev, Aleksey Yermukhammadovich	18	Taran, V. D.	119
Sokol, M.	23	Tarantov, E. A.	170
Sokolov, L.	7	Tarasenko, N. Yu.	142
Sokolov, M. V.	152	Tartakovsky, B. D.	170
Sokolov, S. A.	106	Tarutani, T.	103
Sokol-Szahin, St.	35	Taslimi, P.	157
Solomonov, M. S.	113	Tatarinova, A. A.	165
Sorokin, A. A.	173	Tavadze, F. N.	163
Soskov, A.	17	Teodorovich, V. P.	115
Sovitskiy, P. S.	1	Teodoru, C.	37
Spiridonova, M. Z.	165	Terayama, H.	159
Stacewicz, Witalis	32	Terent'eva, L. S.	88
Stancu, Marion	37	Terferov, V. D.	142
Stapanenko, M. A.	93	Terzi, V. P.	133

Pesmer, F. A.	95	- 5 -	
Thiel, A.	158		
Thureau, L.	157	Uchida, N.	158
Tien, Shih-chieh	60	Ugryumov, A.	15
T'ien, li-pu	58	Ulanov, I. P.	144
Tikhov, G. A.	85	Ulbrecht, G.	155
Timofeyev-Resovskiy, N. V.	139	Ulbrecht, M.	155
Titkov, N. I.	117	Ulitakiy, L. I.	4
Tkhostov, B. A.	4	Uminoto, S.	159
Tokmakov, V. S.	96	Umnova, N.	20
Tolsi tropyatova, A. A.	97	Unger, K. D.	101
Tomaru, T.	159	Unterberger, M.	124
Tomashov, N. D.	96	Urazova, V. A.	92
Topchiyev, A. V.	89, 91	Urbaniak, Jan	43
Topor, V. V.	37	Urbanski, T.	175
Toshev, Georgi	43	Usachev, P. M.	116
Trakhtenbrot, B. A.	140	Ushakov, B. P.	141
Trautloft, Wolfgang	27	Ushakov, K. A.	81
Trekal, S. K.	115	Uspenskiy, D. D.	1
Treu, H.	27	Uspenskiy, V. A.	176
Trifonov, I. S.	1	- V -	
Trifonova, K. B.	118	Vagramyan, A. T.	88
Troitskaya, V. A.	131	Vakulovskaya, G. V.	176
Trubitsyn, N. A.	163	Valeskans, P.	176
Truc, Ky	63	Valme, R.	19
Tsameryan, I. P.	16	Van, I Trong	76
Tsankov, N.	22	Van Pelt, F.	78
Tseft, A. L.	165	Varaksin, Ya.	107
Tseitlin	165	Vasil'ev, G. A.	173
Tsel', Ye. A.	152	Vasilev, Kiro Hadzi	41
Tseng, Hsi-sheng	49	Vasil'ev, L. A.	170
Tsetlin, M. L.	138, 139	Vasil'yeba, K. A.	141
Tseydler, A. A.	161	Vasil'yev, L. A.	116
Tsuruta, S.	103	Vasilyeva, V. V.	10
Tsvetkov, V. N.	88	Vdovin, V. V.	9
Tsvetkova, N. I.	121	Velea, I.	36
Tsybenko, I. Z.	151	Velikovskiy, A. S.	133
Tsylev, L. M.	162	Verli, Aleks	21
Tu, Tao-chuang	65	Vermel, E. E.	89
Tugarinov, V. P.	150	Vershinin, P. V.	84
Tulebayev, T. I.	8	Vetlov, I. P.	132
Tumakaka, Jo. K.	68	Veynov, K. A.	1
Turskiy, Yu. I.	93	Vinogradov, A. A.	111
Typolt, Jiri	23	Vinogradova, M. A.	11
Tyuryakov, A. F.	9	Vipper, A. B.	93
Tyuryayev, I. Ya.	93	Vlachova, D.	153
Tyutina, K. M.	87		

Vladimirskiy, B. M.	33
Vladimirskiy, V.	63
Viasov, V. L.	11
Vleduts, G. E.	172
Vobofil, J.	166
Voege, H.	168
Volkov, T.	12
Volkova, L. T.	148
Volodarskiy, L.	12
Volzhensky, A. V.	111
Von Toennies, J. P.	175
Vorobey, N.	13
Voronichev, M. P.	62
Voronin, V. A.	176
Voronovskiy, D. D.	17
Voroshilova, M. K.	141
Votava, Z.	153
Vovtovich, V. A.	104
Voyeykov, A. I.	132
Vozdvizhenskiy, G. S.	97
Vu, Dinh Dai	63
Vyaznikov, N. E.	163

- W -

Wagner, H.	175
Walther, Gerhard	26
Wan, Li	57
Wang, Ai-chu	72
Wang, Fu-hsiung	85
Wang, Hsin-min	52
Wang, Huan-ju	55
Wang, P'eng-fei	134
Wang, Ping-nan	108
Wang, Ping-yu	67
Wang, Shan-yun	100
Wanyorek, Constantin	39
Warburg, O.	156
Watanabe, A.	159
Wei, Kuo	67
Wei, T'ang	122
Wenger, E.	124
Wenzel, W.	124
Westphal, O.	156
Willem, J.	167
Wirth, W.	154
Wollenberg, Hildegard	29

Woo, Wei-chu	153
Wu, Ching-hua	73
Wu, Ju-yang	122
- X -	
Xuan, Kien	63
- Y -	
Yablonskiy, S. V.	137, 138
	139, 140
Yakhontov, L. N.	145
Yakimov, Yu. L.	171
Yakobson, Ya. S.	139
Yakovlev, B. V.	63
Yakovlev, V.	175
Yakovleva, L. A.	143
Yakubtsiner, N. M.	115
Yamazaki, N.	102
Yang, Chien-ch'u	135
Yang, Yong-kwon	75
Yarovoy, I. M.	95
Yazlyev, S.	162
Yefimov, M. B.	176
Yeh, Kuei-hsing	134
Yeh, Tsu-hang	100
Yeh, Tu-cheng	135
Yemel'yanova, O. S.	150
Yen, Kai	62
Yen, K'ai-wei	135
Yepifanovskiy, S. G.	9
Yeremenko, V. N.	99
Yerisanov, A.	20
Yermakova, T. N.	165
Yevsiovich, D. S. G.	91
Yin, Shui	72
Yin, Tsu-t'ang	85
Yu, T'ing-sung	50
Yuchenkova, O. A.	147
Yudin, V. F.	170
Yurovskiy, A. Z.	95
Yutaka, Fukushima	61
- Z -	
Zabaluyev, V.	11
Zabik, Wladislav	168
Zabludovskiy, I. E.	94

Zagorodnko, V. A.	98
Zararina, N. V.	134
Zelenin, M.	19
Zhabotinskiy, M. E.	173
Zhegalov, I. S.	12
Zhirnov, D. F.	164
Zhuk, G. V.	199
Znukhovitskiy, S. Yu.	117
Znukhovitsky, A. A.	172
Zhukov, K. V.	2
Zhurakhovskiy, A. F.	88
Zhuravlev, A. I.	145
Zhuravlev, Yu. I.	139
Zub, A. I.	88
Zugravu, F.	44
Zuikova, Ye. A.	151
Zukrowski, Leon	33
Zvërev, N. I.	133
Zver'kov, B. V.	121
Zyuzin, A. S.	131

COVER-TO-COVER TRANSLATIONS

(Received during December)

<u>Atomnaya Energiya</u> , Vol V, No 5, 1958.	CB
<u>Doklady Akademii Nauk SSSR, Biological Sciences Sections</u> , Vol CXXV, No 1-6, 1959.	AIBS
<u>Fiziologiya Rastenii</u> , Vol VI, No 2, 1959.	AIBS
<u>Geokhimiya</u> , No 6, 1958.	Geochemical Society
<u>Geologiya Nefti</u> , Vol II, No 10A, 1958.	Rev of Russian Geol
<u>Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya</u> , No 9, 1958.	AGU
<u>Metallurg</u> , No 12, 1958.	CB
<u>Mikrobiologiya</u> , Vol XXVIII, No 2, 1959.	AIBS
<u>Optika i Spektroskopiya</u> , Vol VI, No 5, 1959.	Optical Society of America
<u>Problemy Gematologii i Perelivaniya Krovi</u> , Vol IV, No 4, 1959.	PP
<u>Sovetskaya Pedagogika</u> , No 8, 1959.	Interntl Arts and Sci Press Vol I, No 12
<u>Stal</u> , No 5, 1959.	BISI
<u>Trudy Glavnay Geofizicheskoy Observatori</u> y, No 76, 82, 1958.	Amer Meteorol Soc
<u>Vestnik Vozdushnogo Flota</u> , No 4, 5, 1959.	ATIC
<u>Voprosy Onkologii</u> , Vol V, No 1, 1959.	PP
<u>Voyenno-Meditsinskiy Zhurnal</u> , No 9, 1959.	JPRS 2061-N

Voyenno-Mechnicheskiy Journal, No 10, 1958.

JPRS 2102-8

Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, Vol XXXVI(9), No 5, 1959.

AIP  
Sov Phys-JETP

Zhurnal Prikladnoy Khimii, Vol XXXI, No 12, 1958.

CB

Zhurnal Tekhnicheskoy Fiziki, Vol XXIX, No 5, 1959.

AIP  
Sov Phys-Tech Phys  
Vol IV, No 5

\* \* \*

**UNCLASSIFIED**  
Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in black ink that appears to read "Nancy J. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

**UNCLASSIFIED**



## Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fltr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0866011	78-03109A	63	1	8	145	Consolidated Translation Survey Through 31 January 1970	1/31/1970	237	Approved For Release	3/25/2004
AD0866891	78-03109A	64	1	1	146	Consolidated Translation Survey Through 28 February 1970	2/28/1970	237	Approved For Release	3/25/2004
AD0868214	78-03109A	64	1	2	147	Consolidated Translation Survey Through 31 March 1970	3/31/1970	222	Approved For Release	3/25/2004
AD0869588	78-03109A	64	1	3	148	Consolidated Translation Survey Through 30 April 1970	4/30/1970	225	Approved For Release	3/25/2004
AD0871388	78-03109A	64	1	4	149	Consolidated Translation Survey Through 31 May 1970	5/31/1970	286	Approved For Release	3/25/2004
AD0872361	78-03109A	64	1	5	150	Consolidated Translation Survey Through 30 June 1970	6/30/1970	339	Approved For Release	3/25/2004
AD0873815	78-03109A	64	1	6	151	Consolidated Translation Survey Through 31 July 1970	7/31/1970	274	Approved For Release	3/25/2004
AD0834385	78-03109A	47	1	4	17	Consolidated Translation Survey For May 1959	6/17/1959	193	Approved For Release	3/25/2004
AD0834386	78-03109A	47	1	5	18	Consolidated Translation Survey For June 1959	7/17/1959	177	Approved For Release	3/25/2004
AD0834387	78-03109A	47	1	6	19	Consolidated Translation Survey For July 1959	8/24/1959	254	Approved For Release	3/25/2004
AD0834388	78-03109A	47	1	7	20	Consolidated Translation Survey For August 1959	9/18/1959	209	Approved For Release	3/25/2004
AD0834389	78-03109A	47	1	8	21	Consolidated Translation Survey For September 1959	10/20/1959	261	Approved For Release	3/25/2004
AD0834491	78-03109A	47	1	9	22	Consolidated Translation Survey For October 1959	11/16/1959	181	Approved For Release	3/25/2004
AD0834492	78-03109A	47	1	10	23	Consolidated Translation Survey For November 1959	12/22/1959	214	Approved For Release	3/25/2004
AD0834493	78-03109A	47	1	11	24	Consolidated Translation Survey For December 1959	1/20/1960	202	Approved For Release	3/25/2004
AD0834494	78-03109A	47	1	12	25	Consolidated Translation Survey For January 1960	2/25/1960	198	Approved For Release	3/25/2004
AD0834495	78-03109A	47	1	13	26	Consolidated Translation Survey For February 1960	2/1/1960	248	Approved For Release	3/25/2004
AD0834496	78-03109A	48	1	1	27	Consolidated Translation Survey For March 1960	3/1/1960	223	Approved For Release	3/25/2004
AD0834497	78-03109A	48	1	2	28	Consolidated Translation Survey For April 1960	4/1/1960	287	Approved For Release	3/25/2004
AD0834498	78-03109A	48	1	3	29	Consolidated Translation Survey For May 1960	5/1/1960	312	Approved For Release	3/25/2004
AD0834499	78-03109A	48	1	4	30	Consolidated Translation Survey For June 1960	6/1/1960	277	Approved For Release	3/25/2004
AD0834500	78-03109A	48	1	5	31	Consolidated Translation Survey For July 1960	7/1/1960	186	Approved For Release	3/25/2004
AD0834501	78-03109A	48	1	6	32	Consolidated Translation Survey For August 1960	8/1/1960	317	Approved For Release	3/25/2004
AD0834502	78-03109A	48	1	7	33	Consolidated Translation Survey For September 1960	9/1/1960	287	Approved For Release	3/25/2004
AD0834503	78-03109A	48	1	8	34	Consolidated Translation Survey For October 1960	10/1/1960	322	Approved For Release	3/25/2004
AD0834504	78-03109A	48	1	9	35	Consolidated Translation Survey For November 1960	11/1/1960	289	Approved For Release	3/25/2004